

FIG. 1

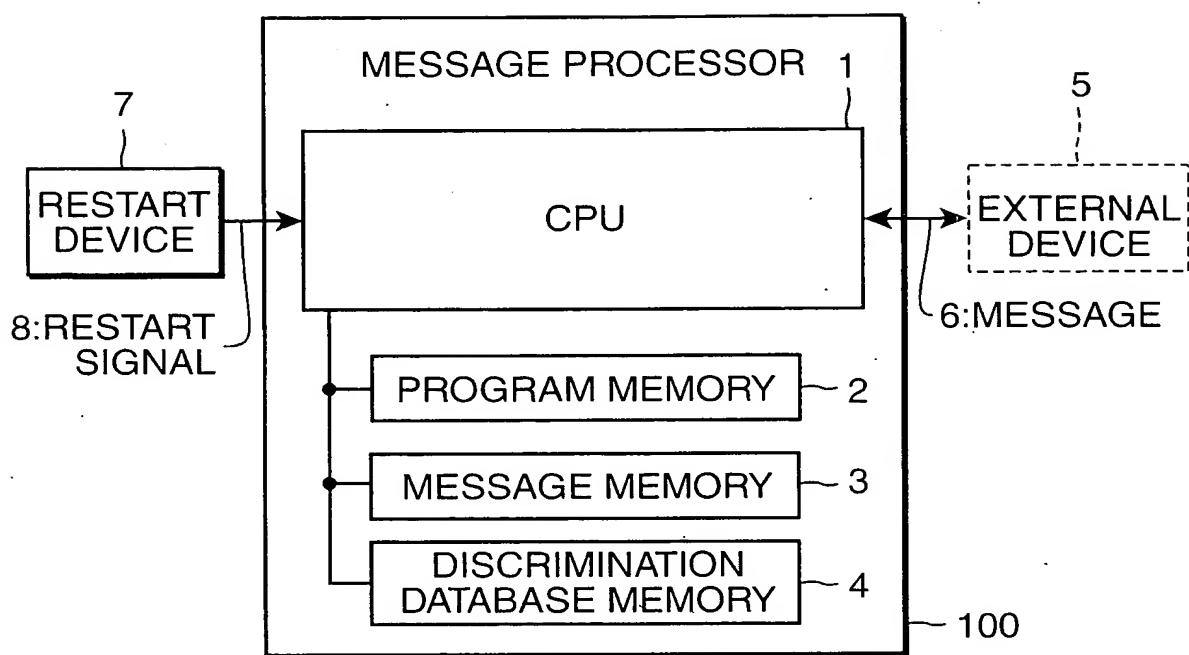


FIG. 2

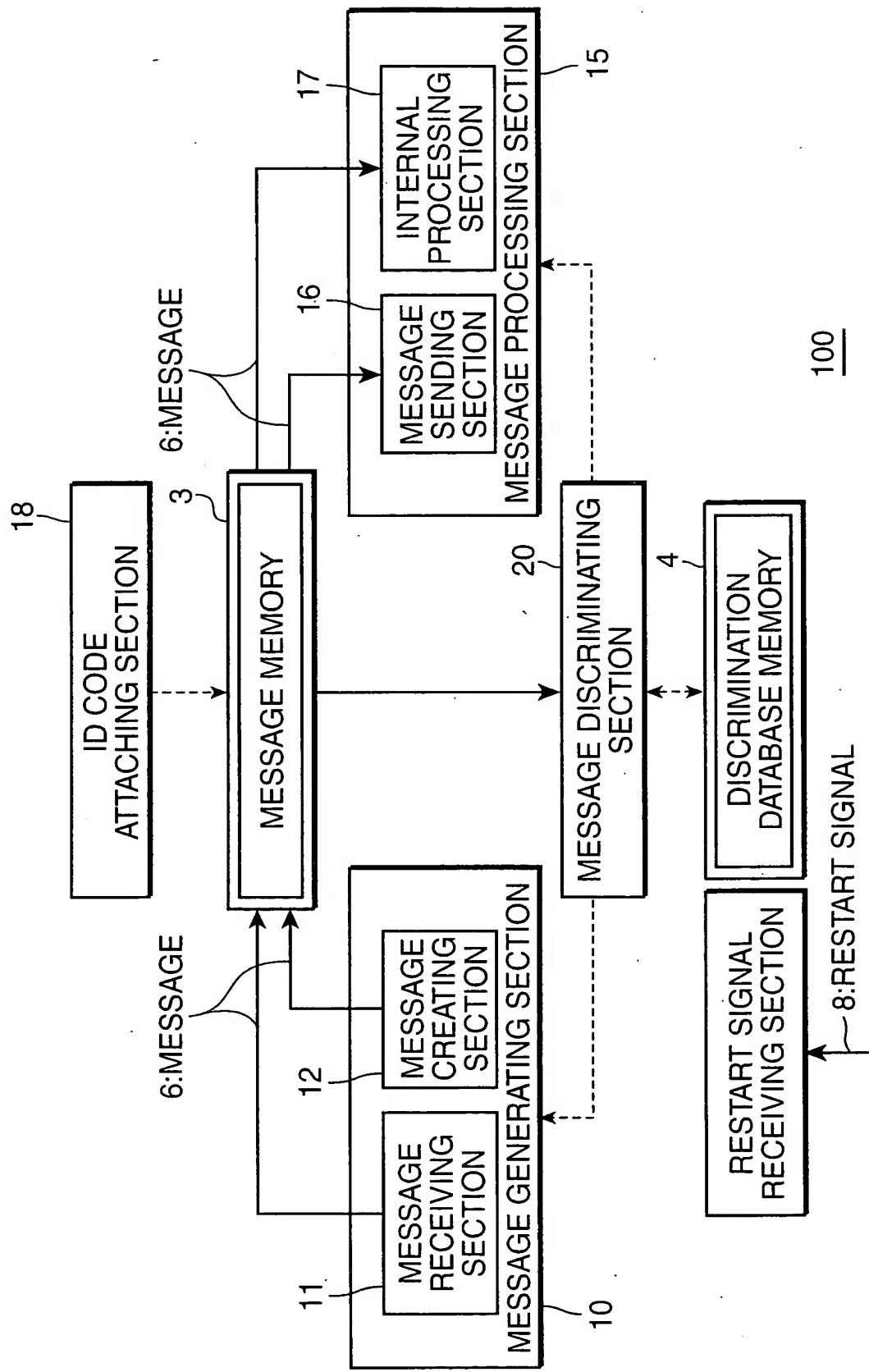


FIG. 3

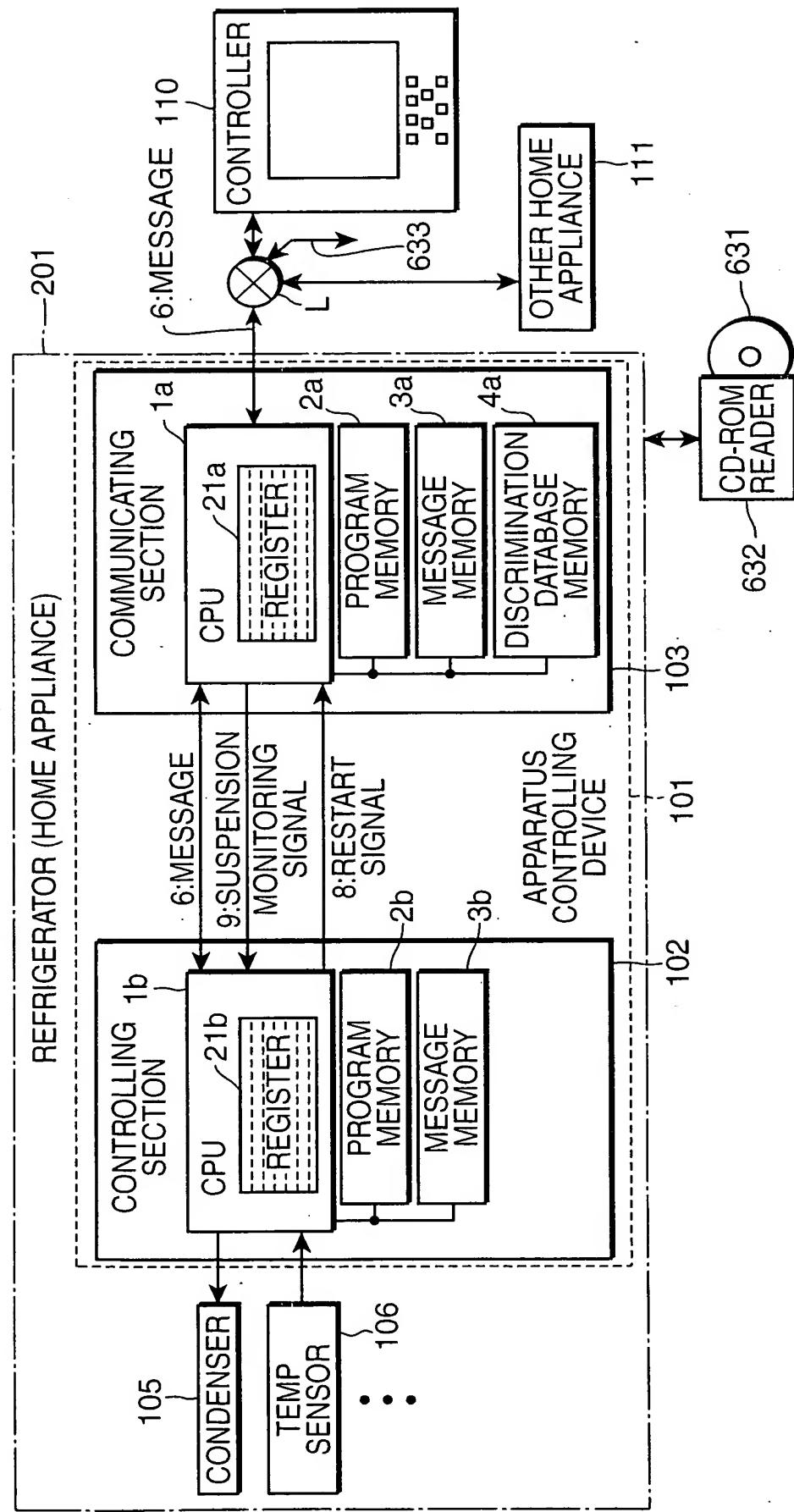


FIG. 4

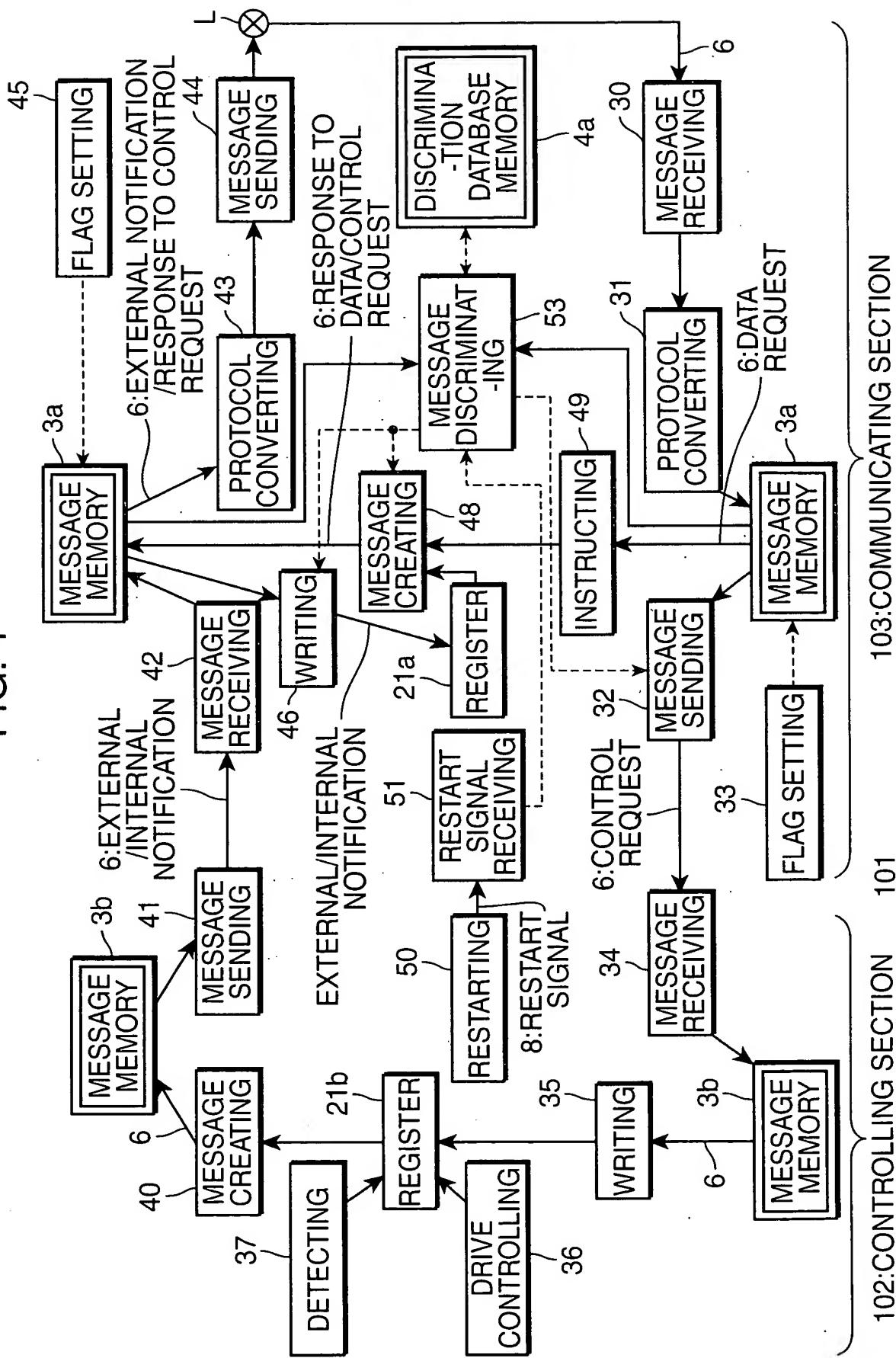


FIG. 5

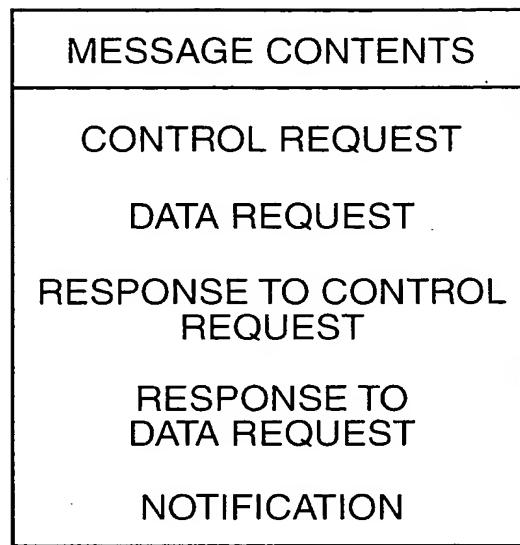
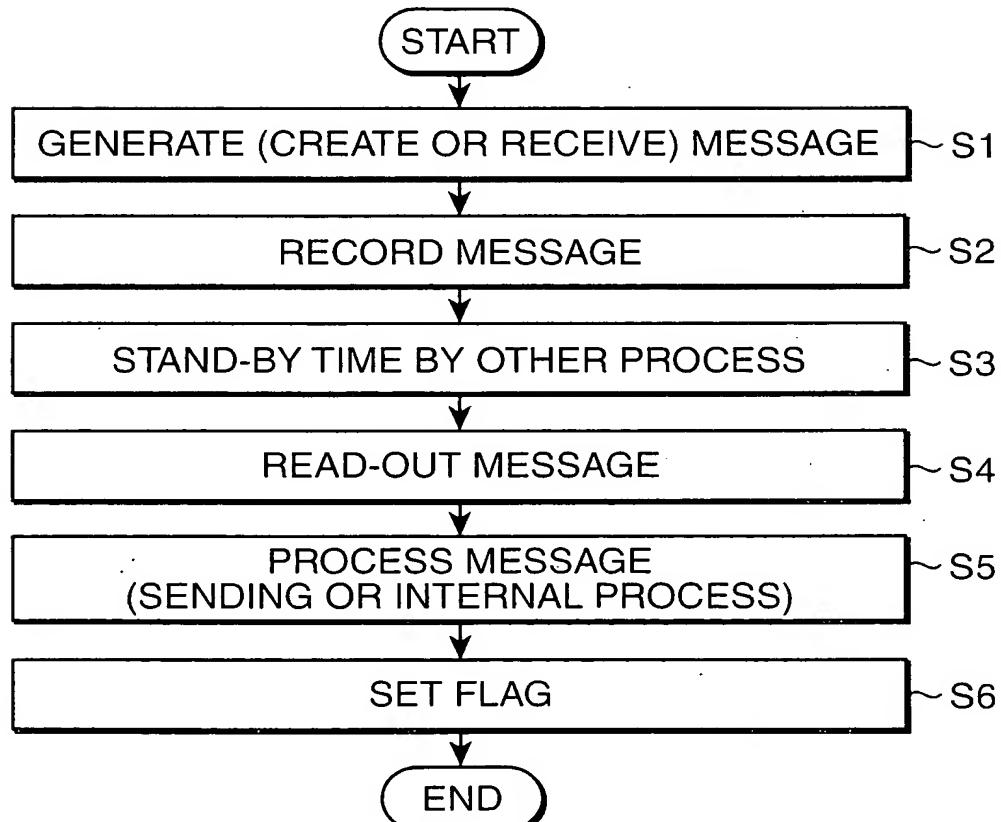


FIG. 6



S100:ORDINARY PROCESS

FIG. 7

MESSAGE GENERATION	MESSAGE PROCESSING
CREATE MESSAGE	SEND MESSAGE
RECEIVE MESSAGE	SEND MESSAGE
RECEIVE MESSAGE	INTERNAL PROCESSING

FIG. 8

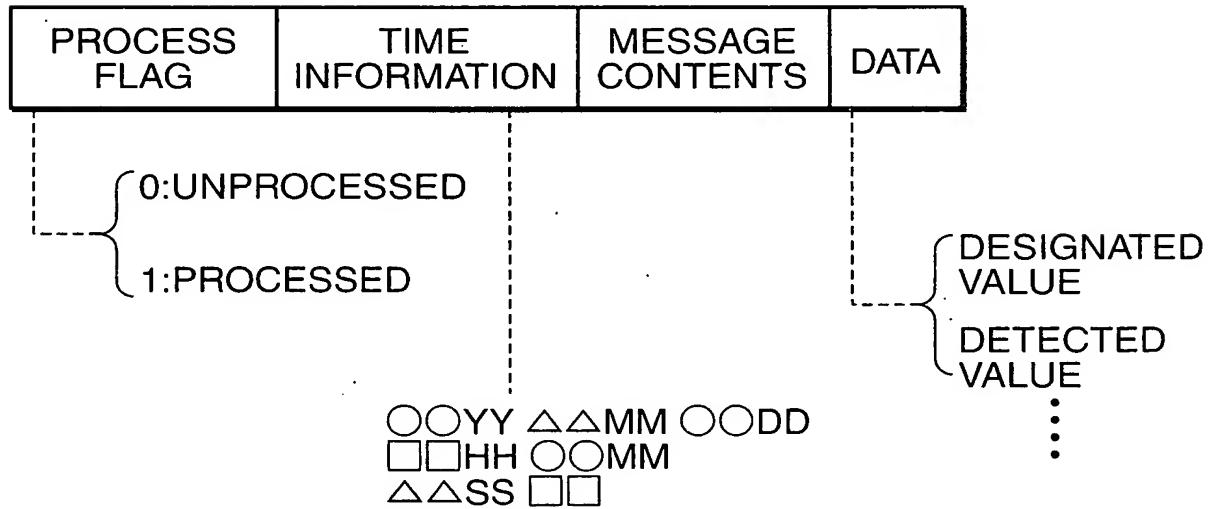


FIG. 9

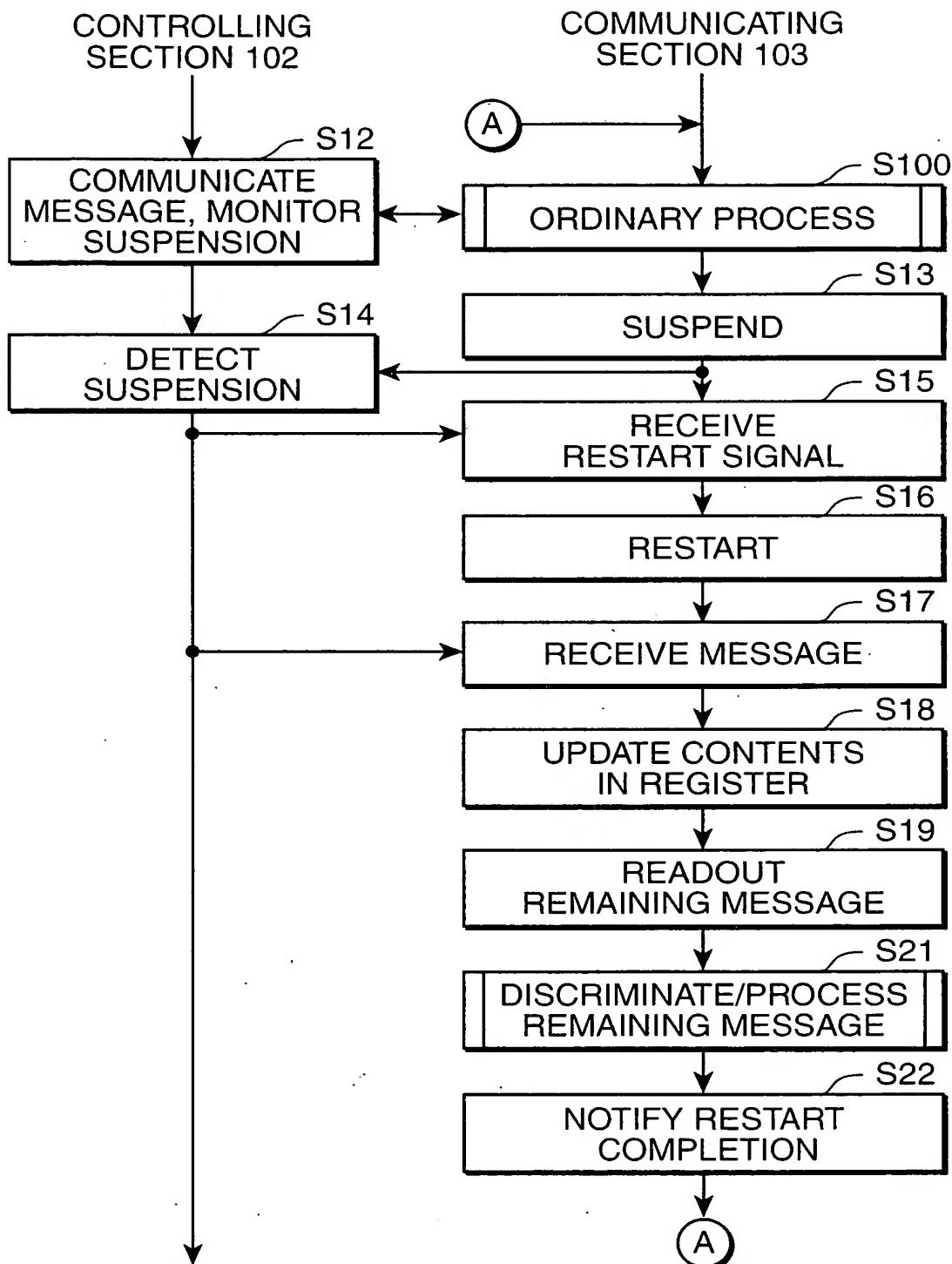
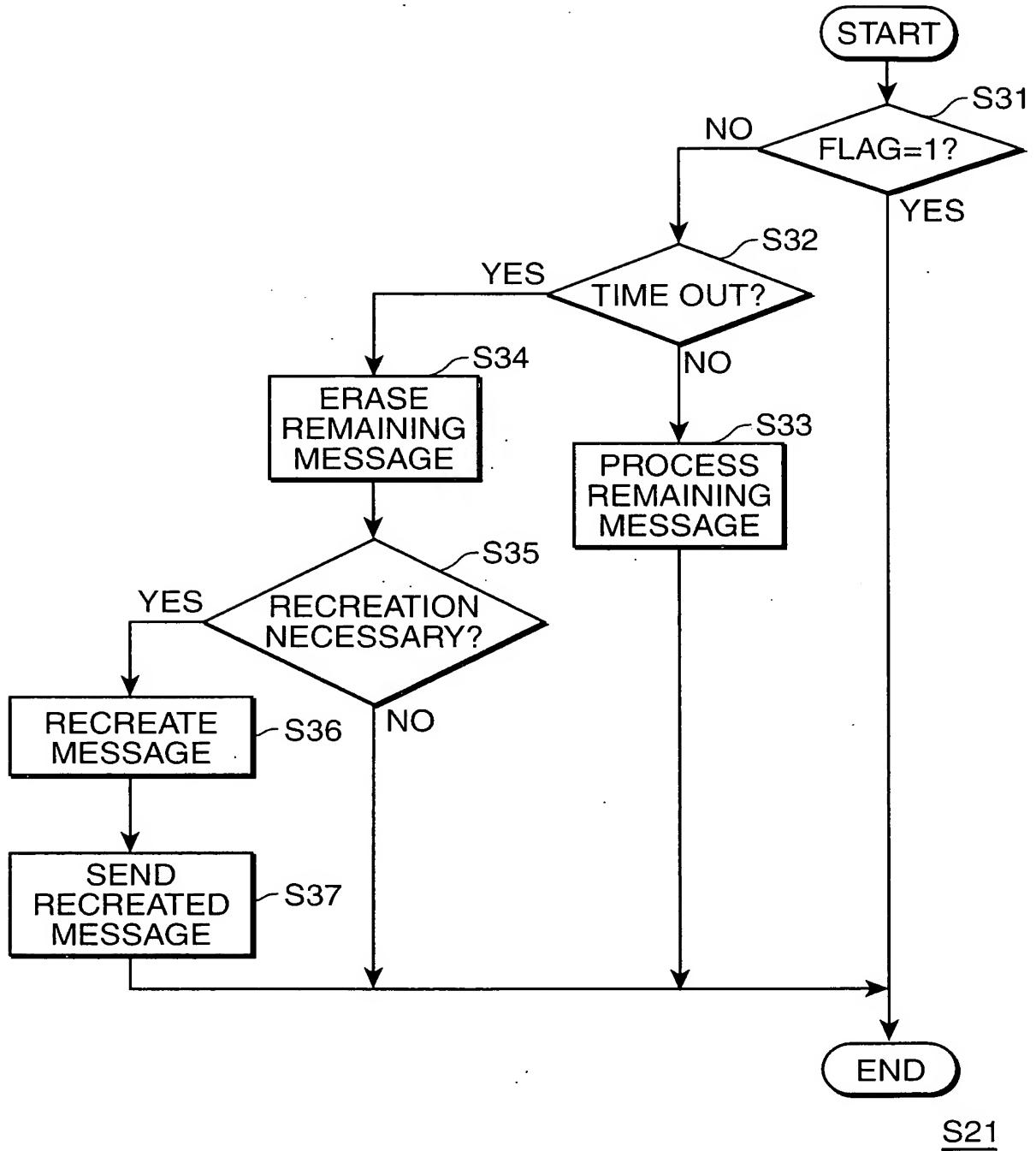


FIG. 10

MESSAGE CONTENTS	EFFECTIVE TERM	NECESSITY ON RECREATION
REQUEST ON TEMPERATURE ADJUSTMENT	180 sec	×
REQUEST ON SET TEMPERATURE DATA	100 sec	×
REQUEST ON WATER QUANTITY DATA IN ICE MAKING MACHINERY	180 sec	×
NON-PERIODICAL NOTIFICATION ON DOOR OPENING/CLOSING	100 sec	○
NON-PERIODICAL NOTIFICATION ON MOTOR MALFUNCTION	UNLIMITED	×
PERIODICAL NOTIFICATION THAT COMPONENT IS OPERATED IN ORDER	100 sec	×
PERIODICAL NOTIFICATION ON CONSUMED POWER	100 sec	○
RESPONSE INDICATING ADJUSTMENT COMPLETION TO TEMPERATURE ADJUSTMENT REQUEST	180 sec	×
SEND TEMPERATURE DATA IN RESPONSE TO TEMPERATURE DATA REQUEST	100 sec	○
SEND WATER QUANTITY DATA IN RESPONSE TO WATER QUANTITY DATA REQUEST	180 sec	○
RESPONSE INDICATING THAT REQUEST IS NOT EXECUTABLE	50 sec	×

FIG. 11



S21

FIG. 12

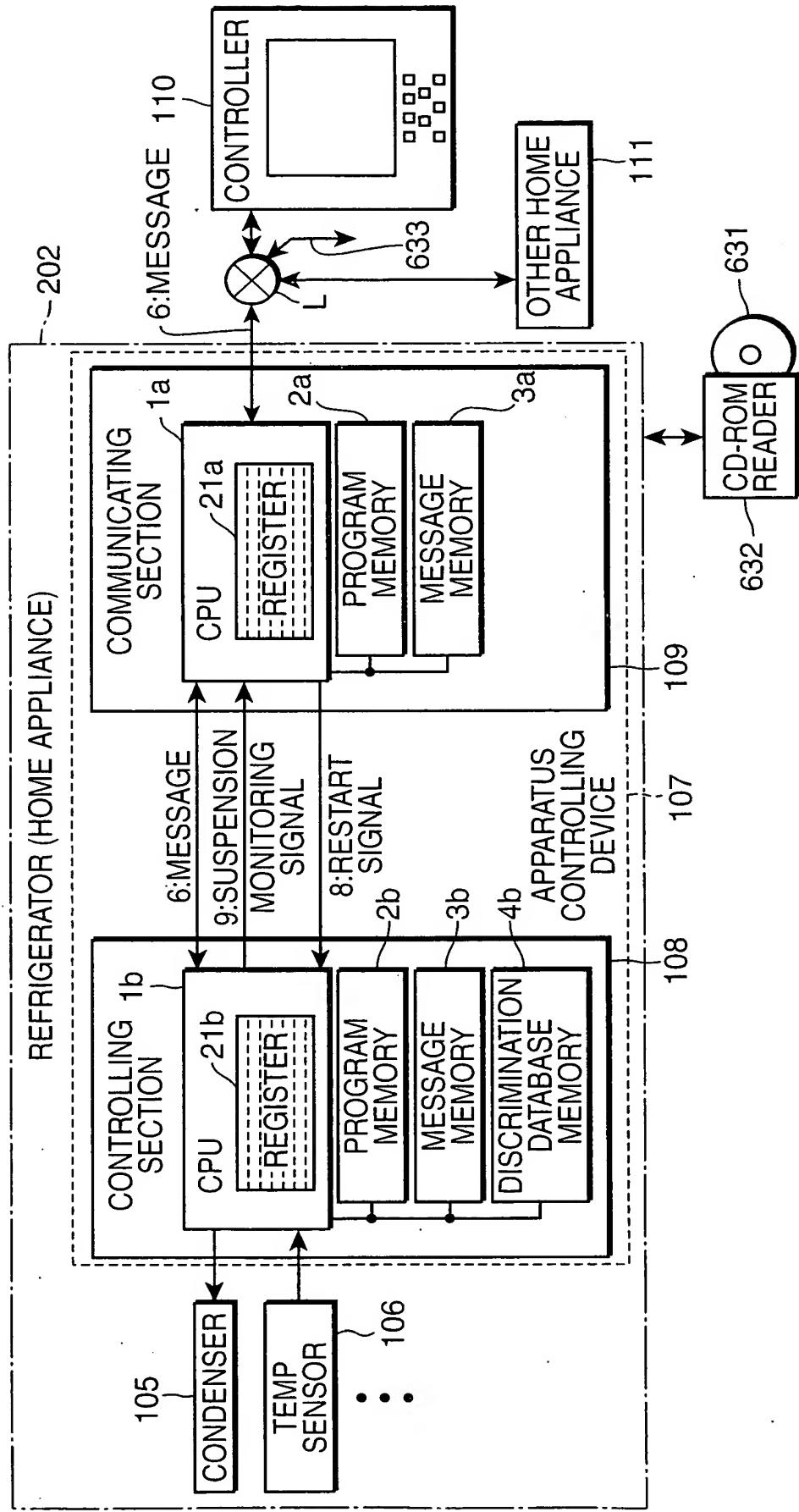


FIG. 13

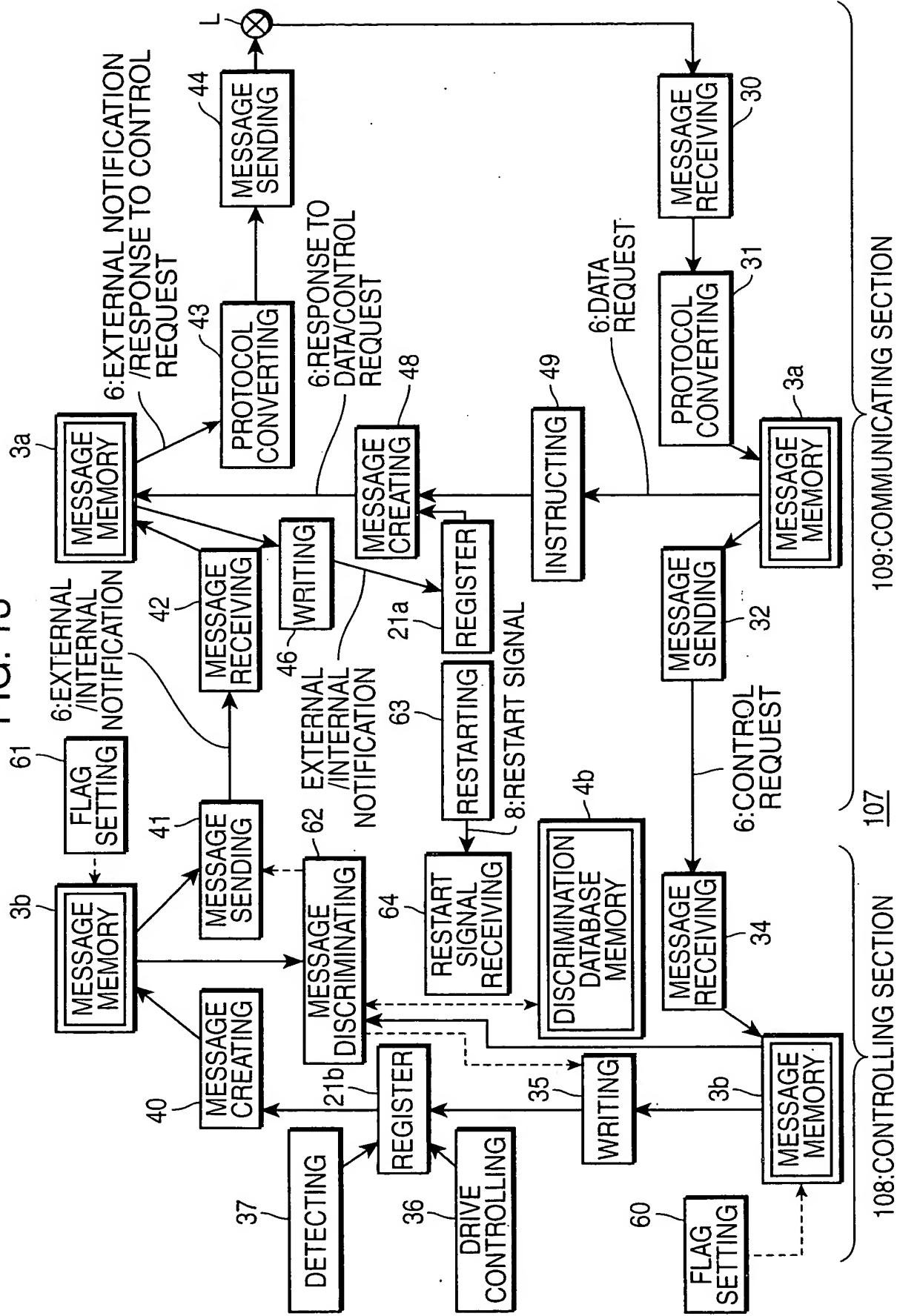


FIG. 14

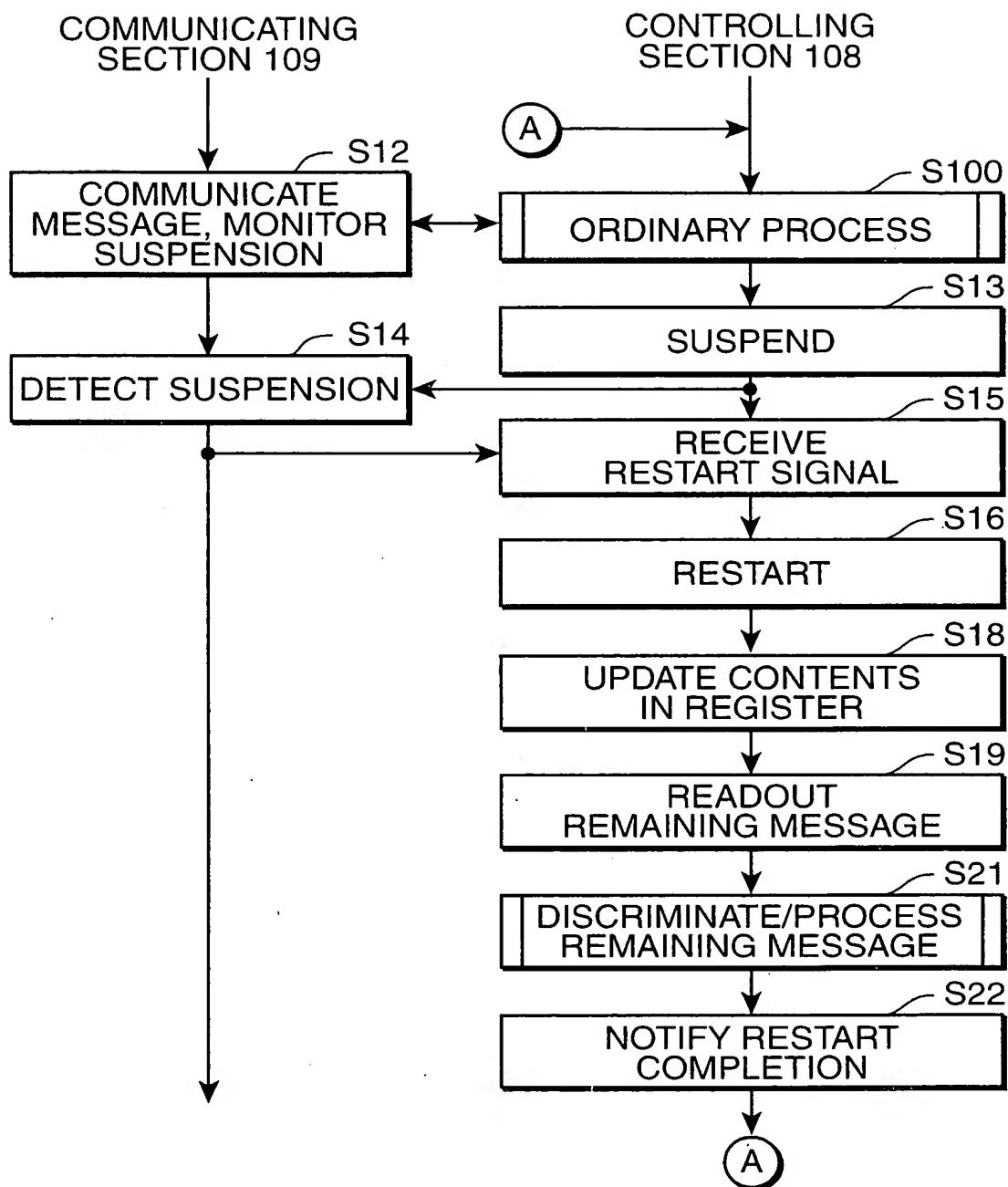


FIG. 15

MESSAGE CONTENTS	EFFECTIVE TERM	NECESSITY ON CREATION
REQUEST ON TEMPERATURE ADJUSTMENT	180 sec	×
NON-PERIODICAL INTERNAL NOTIFICATION ON SET TEMPERATURE	100 sec	○
NON-PERIODICAL INTERNAL NOTIFICATION ON WATER QUANTITY IN ICE MAKING MACHINERY	180 sec	○
NON-PERIODICAL NOTIFICATION ON DOOR OPENING/CLOSING	100 sec	○
NON-PERIODICAL NOTIFICATION ON MOTOR MALFUNCTION	UNLIMITED	×
NON-PERIODICAL NOTIFICATION THAT COMPONENT IS OPERATED IN ORDER	100 sec	×
PERIODICAL NOTIFICATION ON CONSUMED POWER	100 sec	○
RESPONSE INDICATING ADJUSTMENT COMPLETION TO TEMPERATURE ADJUSTMENT REQUEST	180 sec	×
RESPONSE INDICATING THAT REQUEST IS NOT EXECUTABLE	50 sec	×

FIG. 16

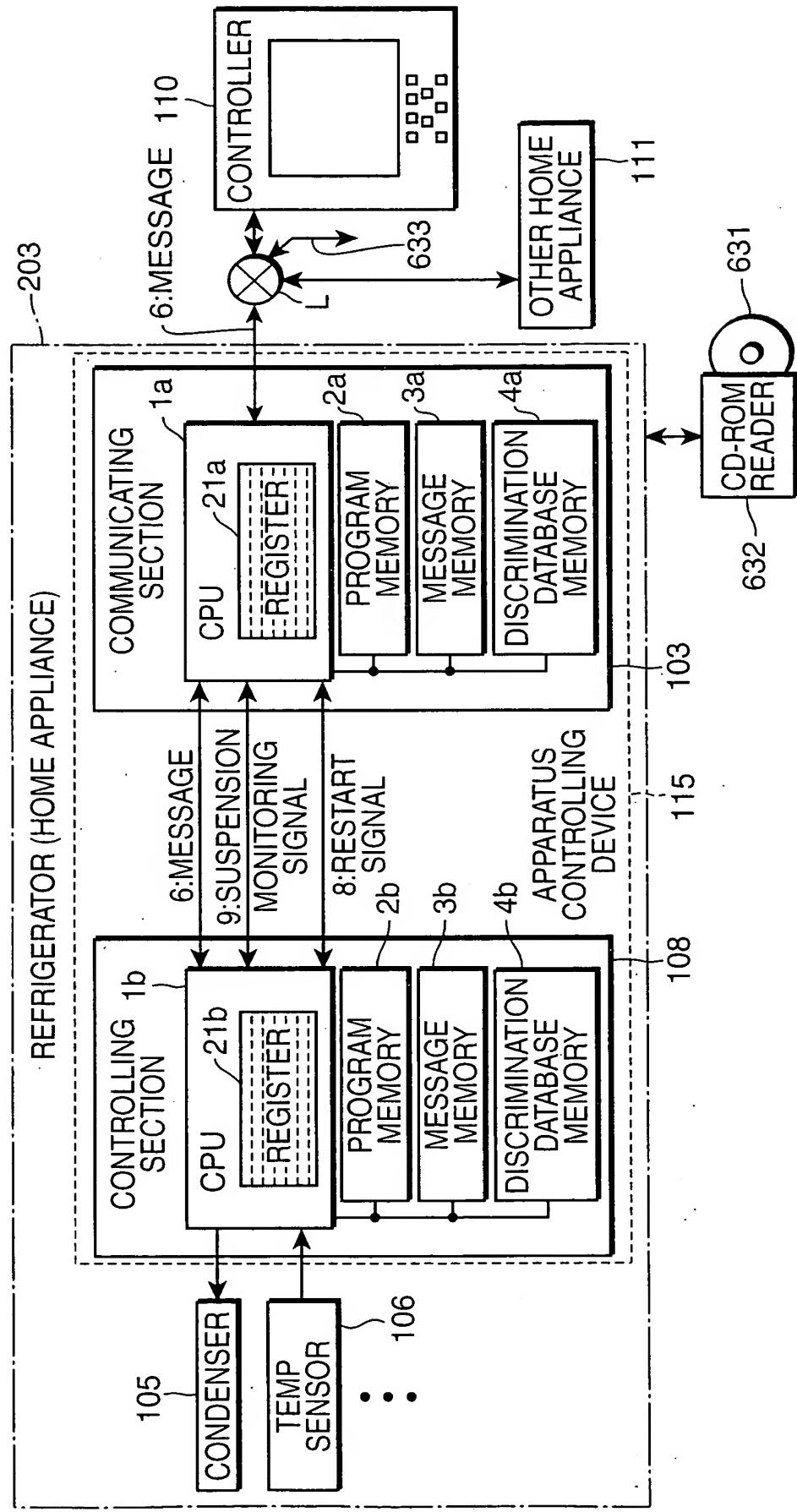


FIG. 17

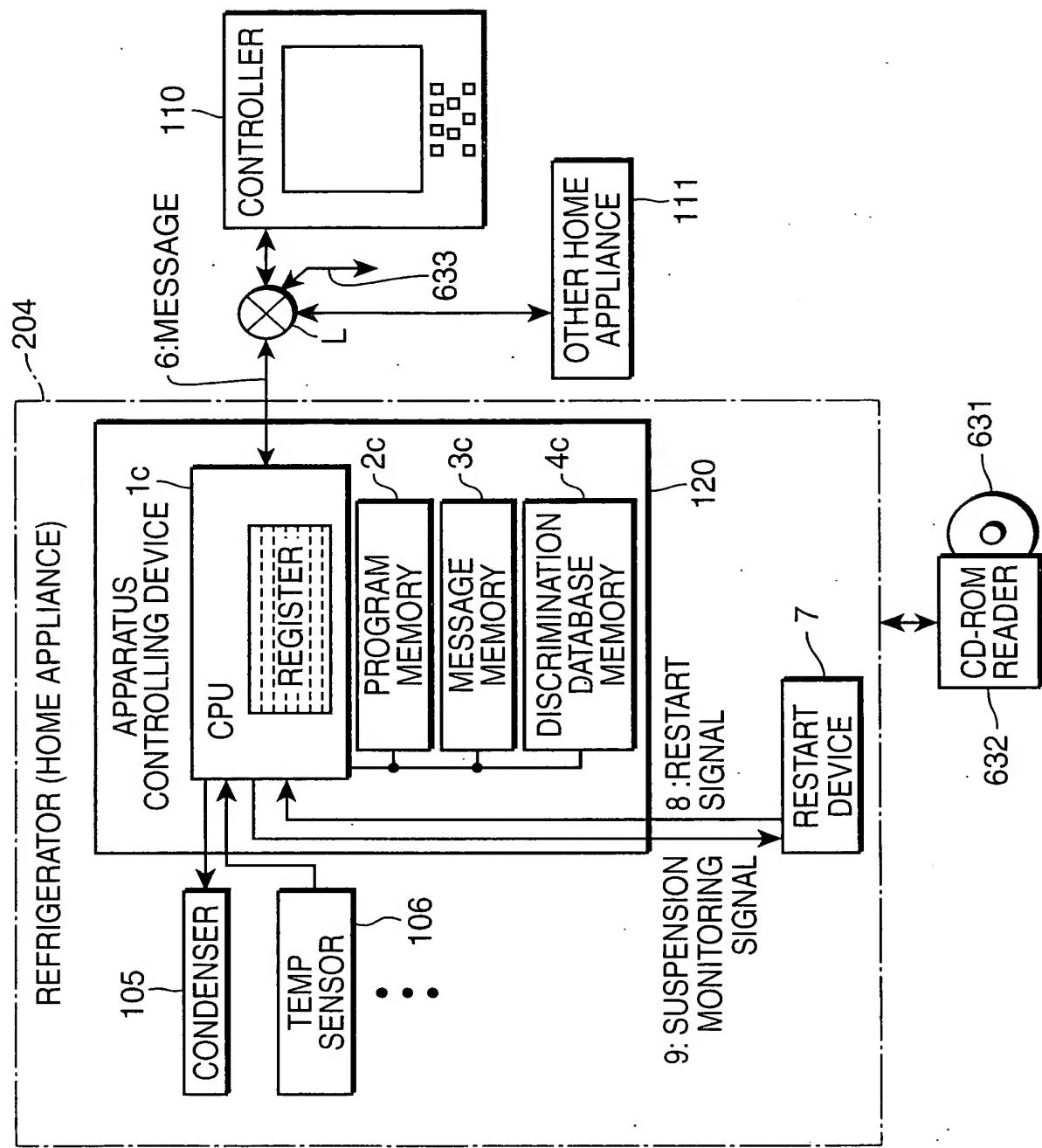


FIG. 18

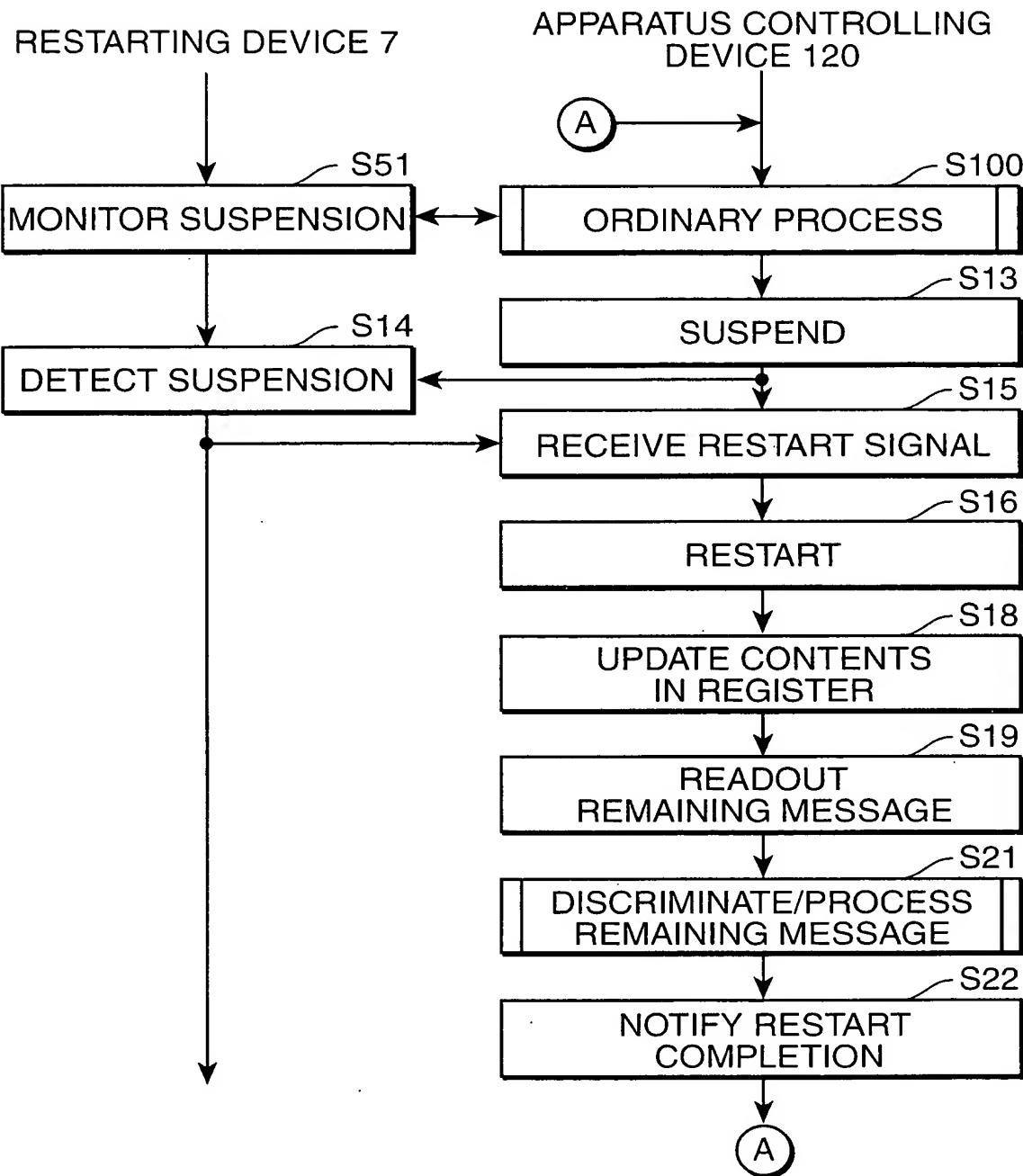


FIG.19

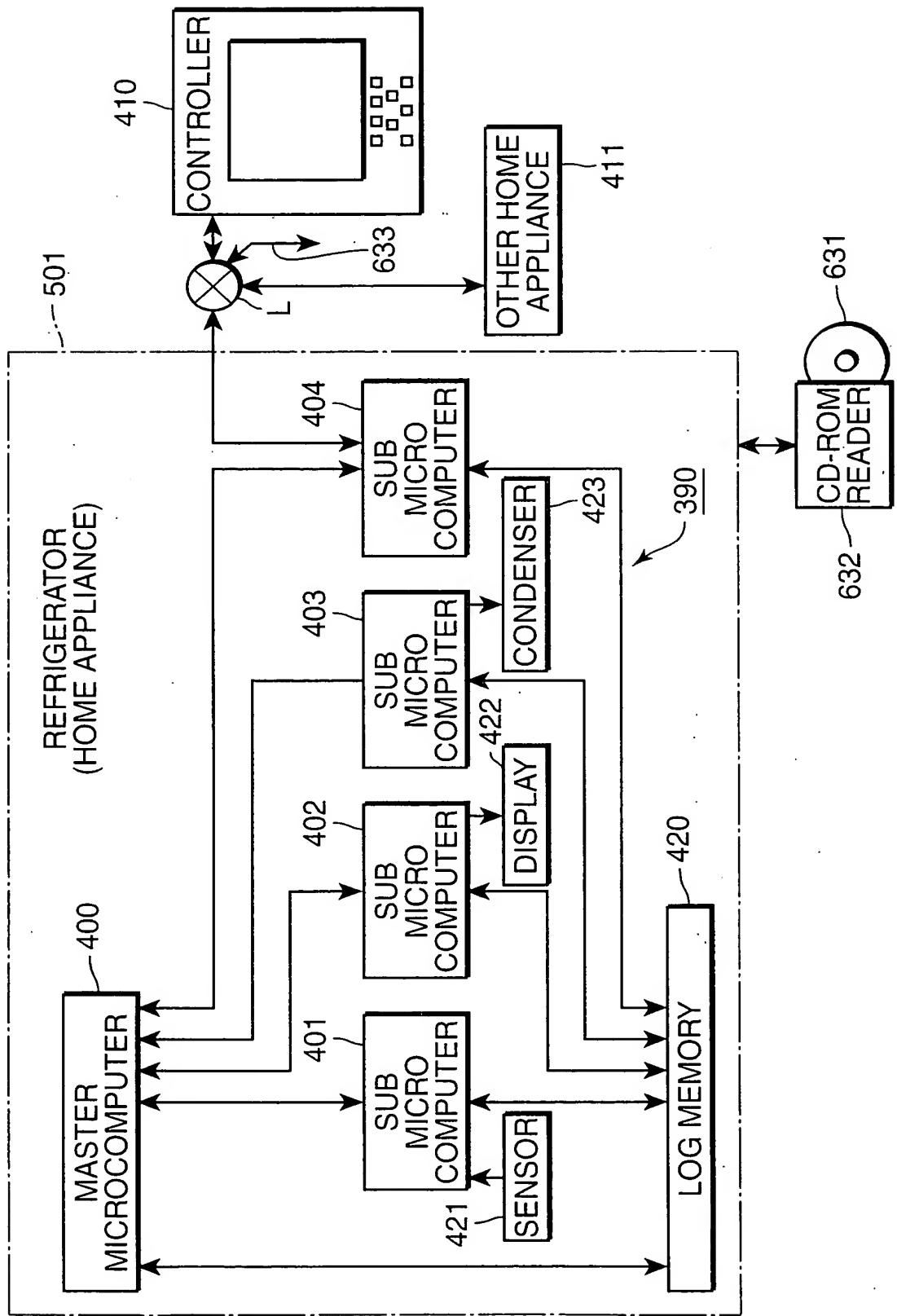


FIG.20

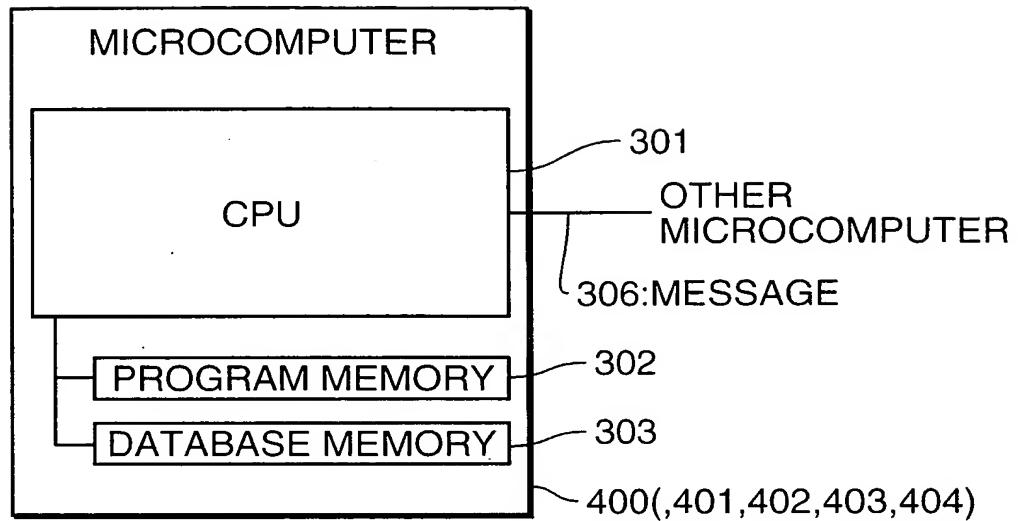


FIG. 21

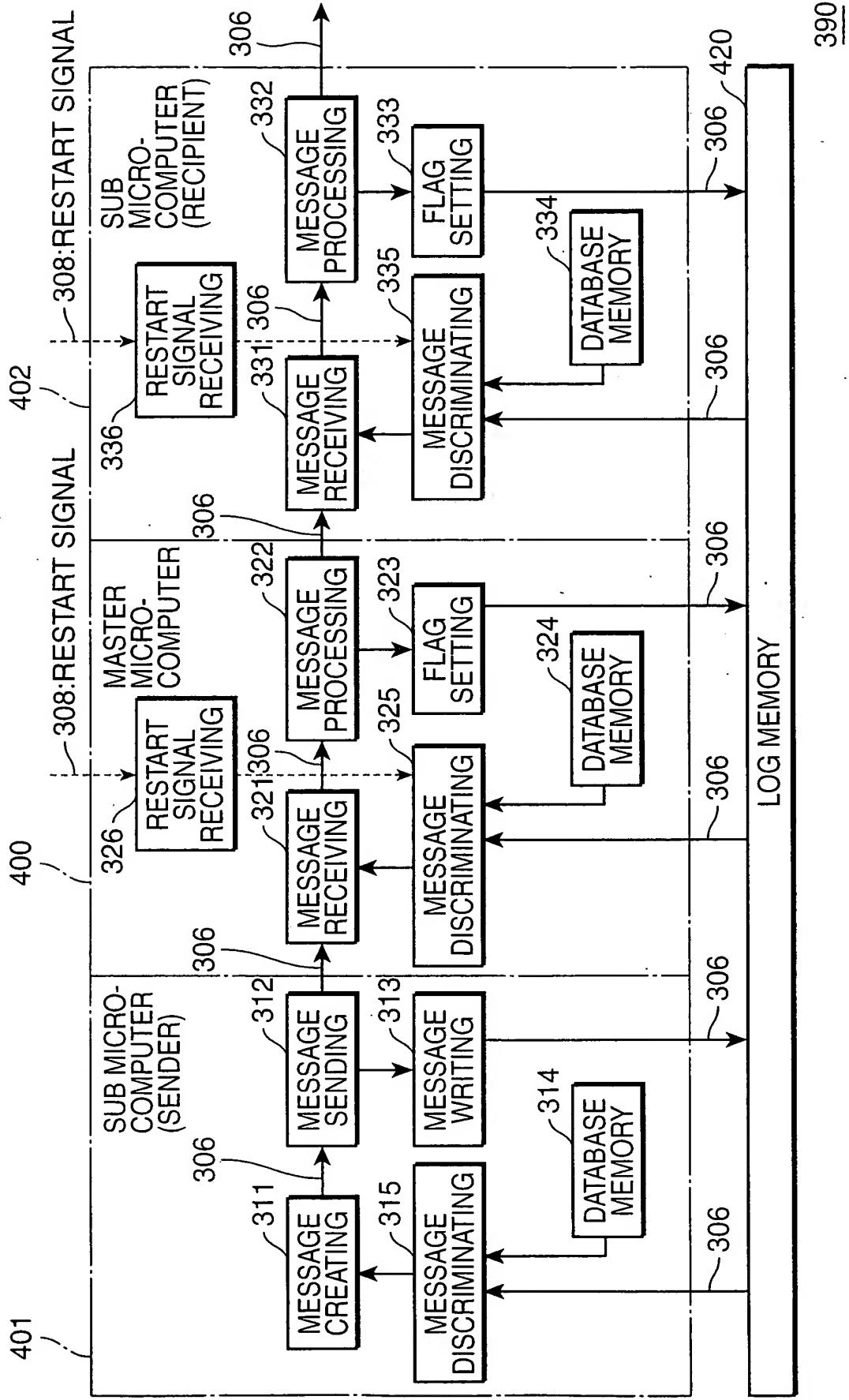


FIG.22

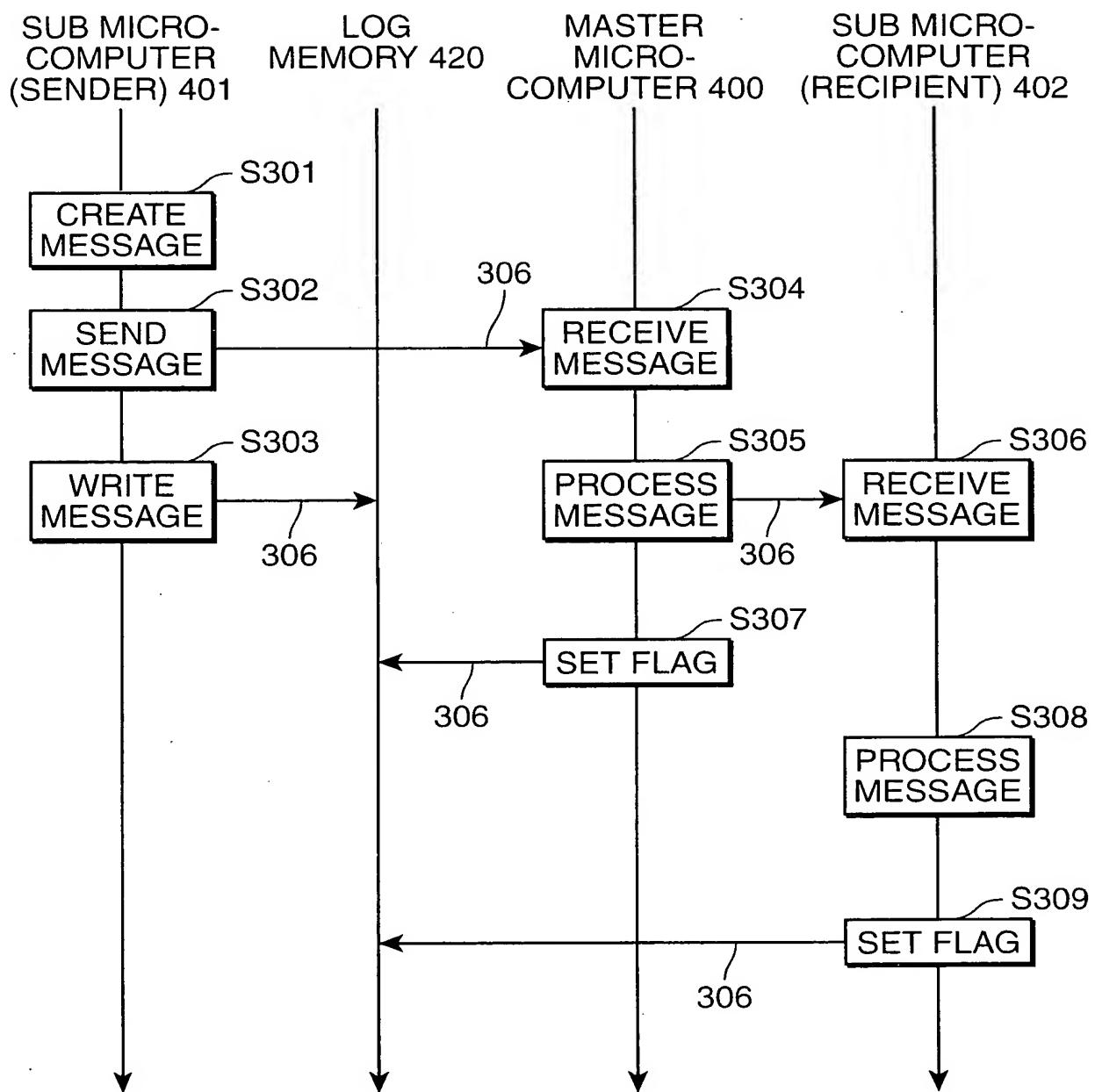


FIG. 23

PROCESS FLAG	TIME INFORMATION	SENDER INFORMATION	RECIPIENT INFORMATION	MESSAGE CONTENTS	DATA
0 UNPROCESSED 1 PROCESSED			<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>MASTER MICRO-COMPUTER</p> <p>SUB MICRO-COMPUTER</p> <p>SUB MICRO-COMPUTER</p> </div> <div style="text-align: center;"> <p>MASTER MICRO-COMPUTER</p> <p>SUB MICRO-COMPUTER</p> <p>SUB MICRO-COMPUTER</p> </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>NOTIFICATION ON INTERNAL TEMP.</p> <p>NOTIFICATION ON DOOR OPEN/CLOSE STATE</p> <p>NOTIFICATION ON SET TEMP.</p> </div> <div style="text-align: center;"> <p>OPENED</p> </div> </div>	$\Delta\Delta^{\circ}\text{C}$
					306

FIG.24

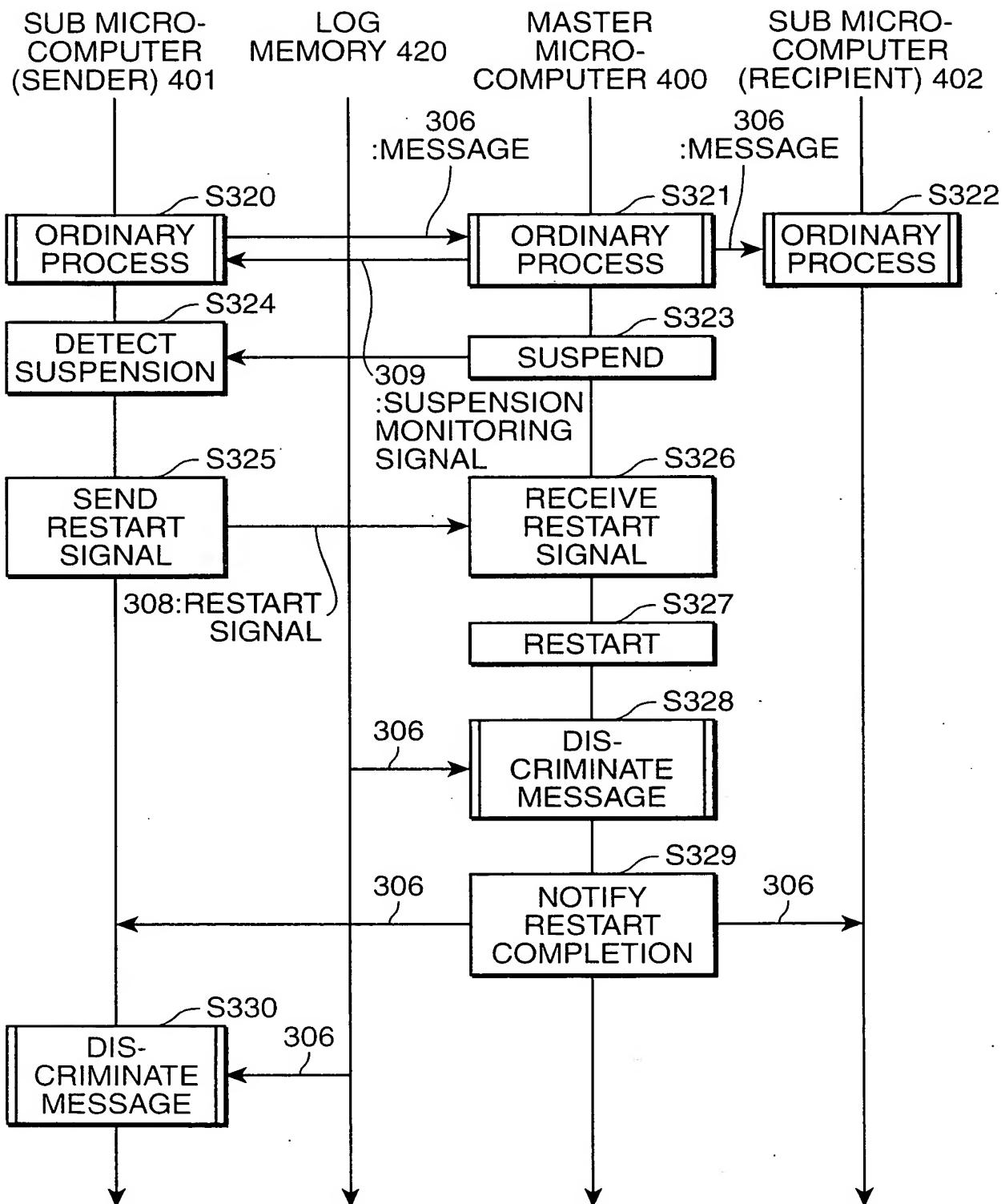


FIG.25

MESSAGE CONTENTS	EFFECTIVE TERM
NOTIFICATION ON INTERNAL TEMP.	180sec
NOTIFICATION ON DOOR OPEN/CLOSE STATE	100sec
NOTIFICATION ON MOTOR MALFUNCTION	UNLIMITED

FIG.26

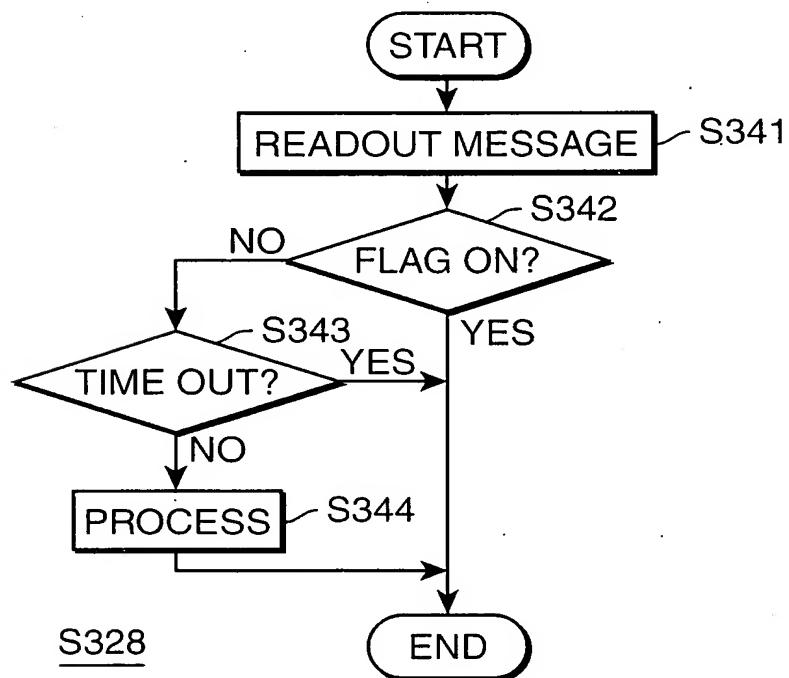


FIG.27

MESSAGE CONTENTS	JUDGMENT CONTENTS	NECESSITY ON RECREATION
NOTIFICATION ON INTERNAL TEMPERATURE	ALL TEMPERATURE RANGE	○

FIG.28

MESSAGE CONTENTS	JUDGMENT CONTENTS	NECESSITY ON RECREATION
NOTIFICATION ON OPEN/CLOSE STATE OF DOOR	DIFFERENT	○
NOTIFICATION ON OPEN/CLOSE STATE OF DOOR	SAME	×

FIG.29

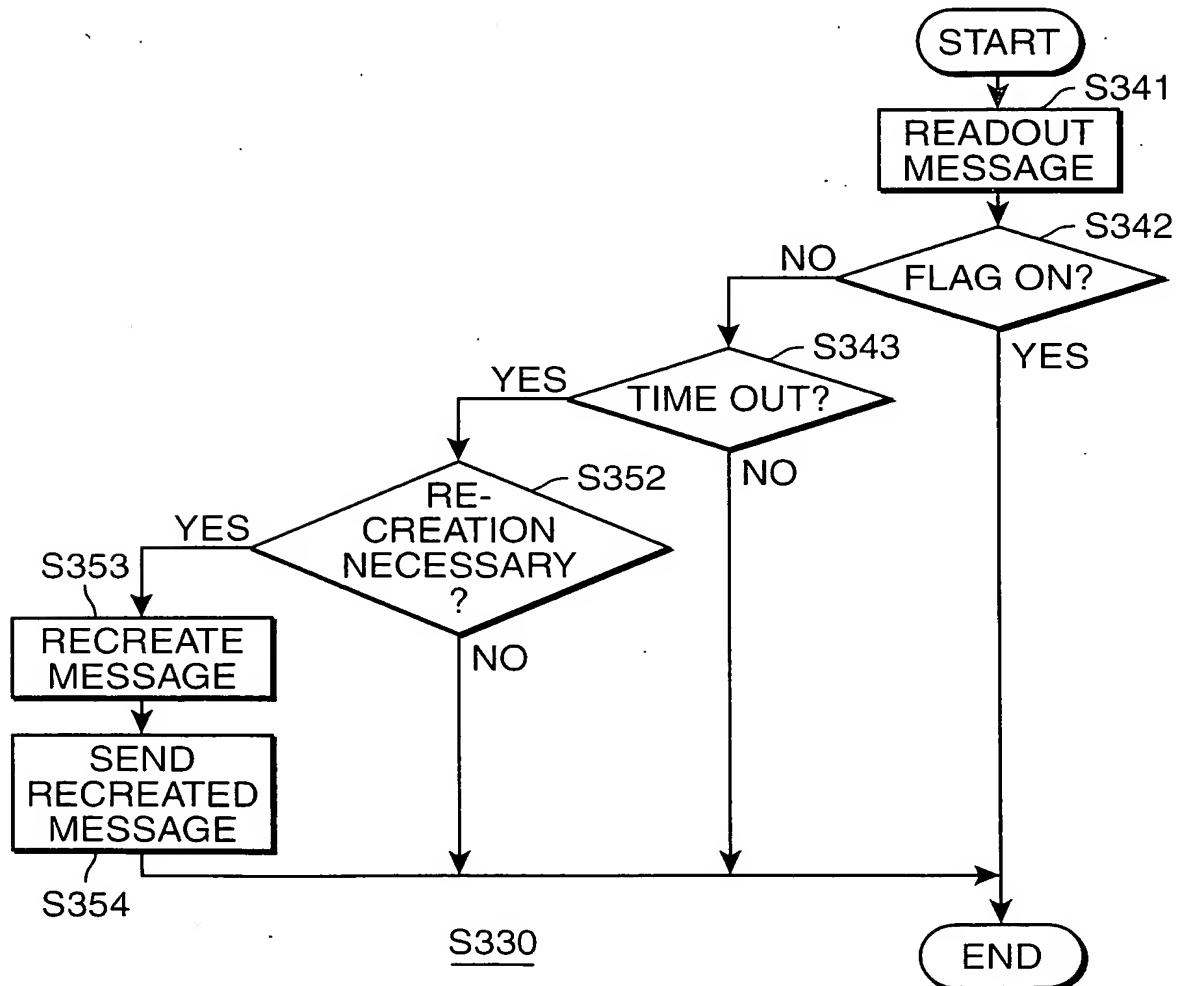


FIG.30

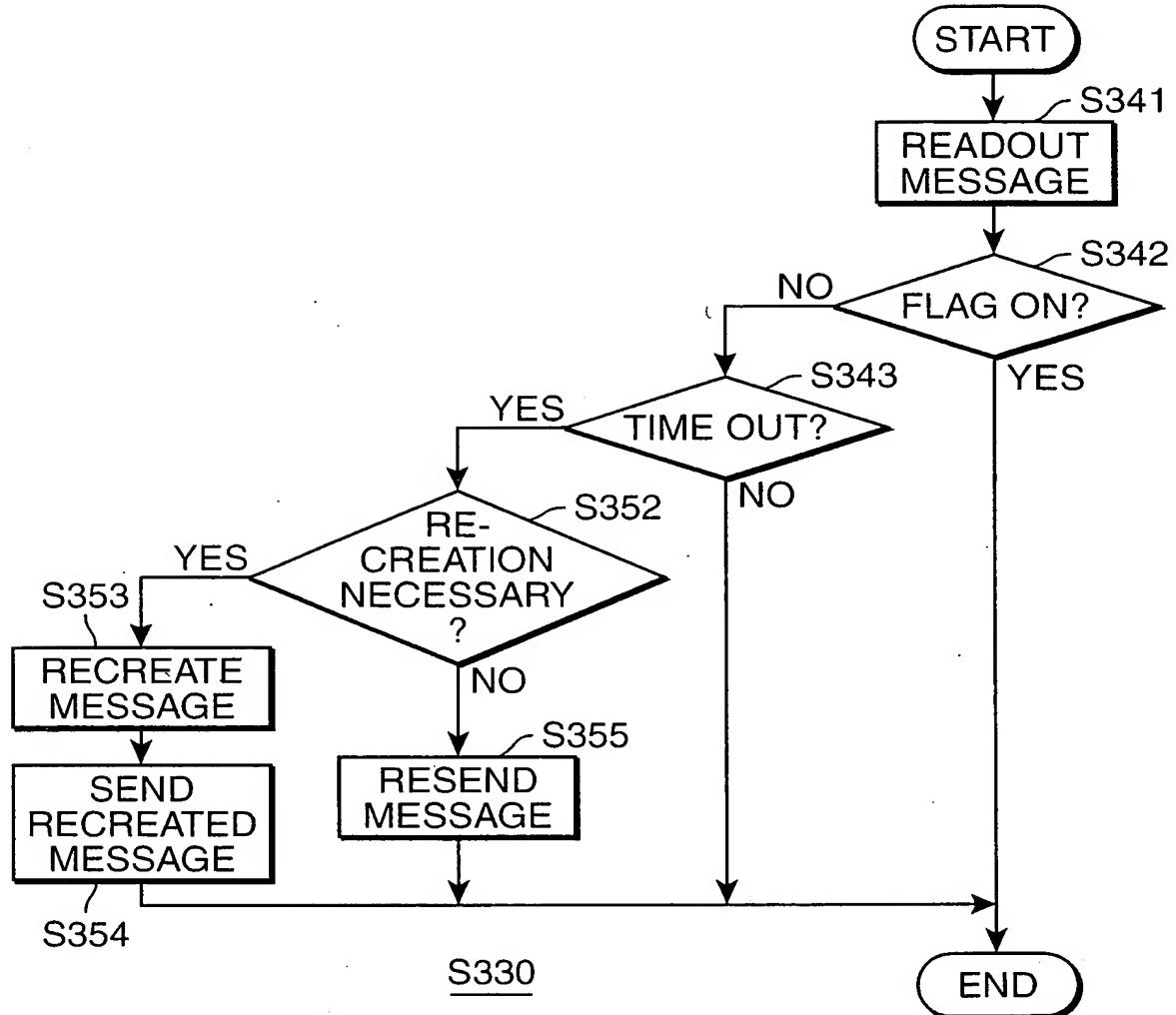


FIG.31

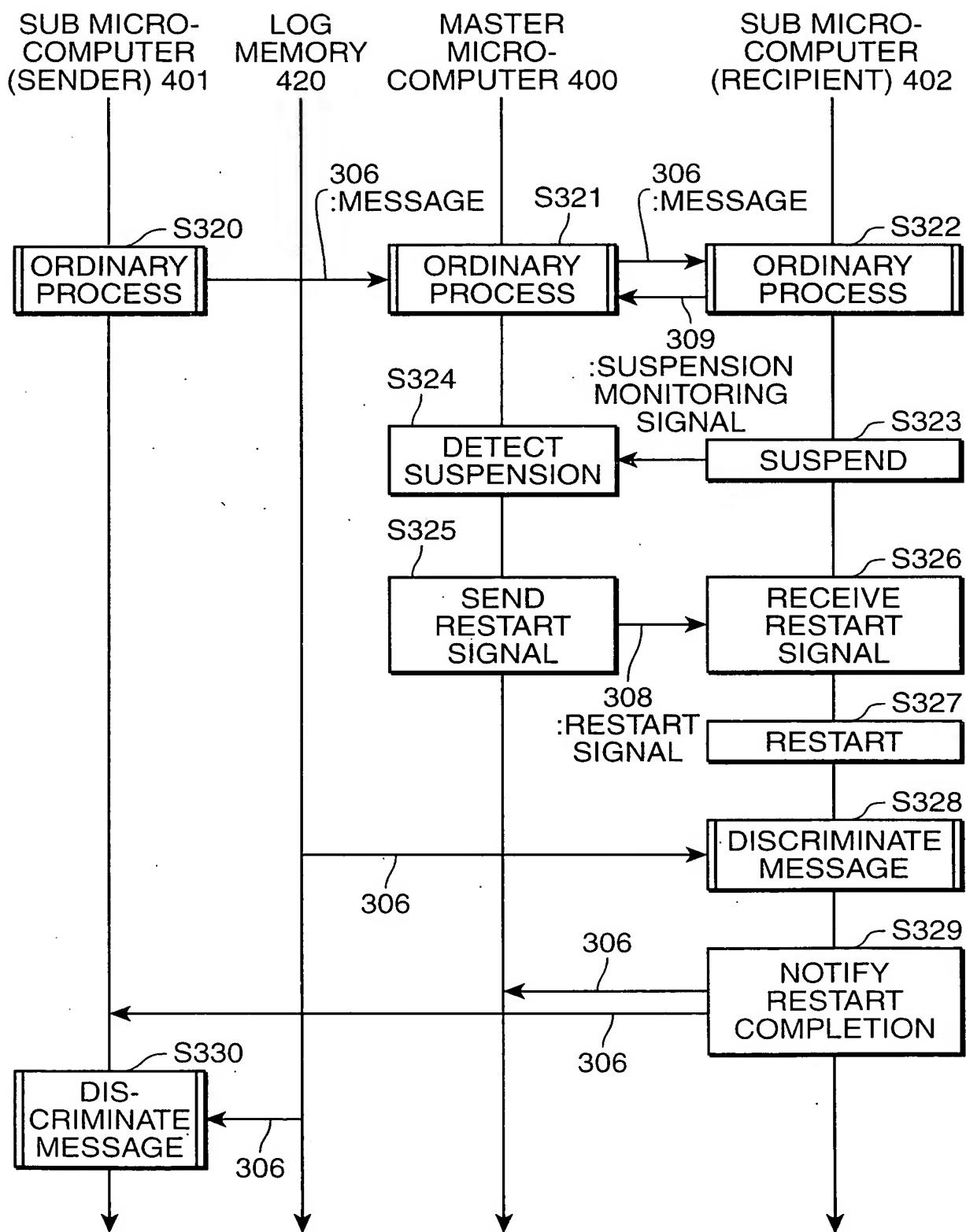


FIG.32

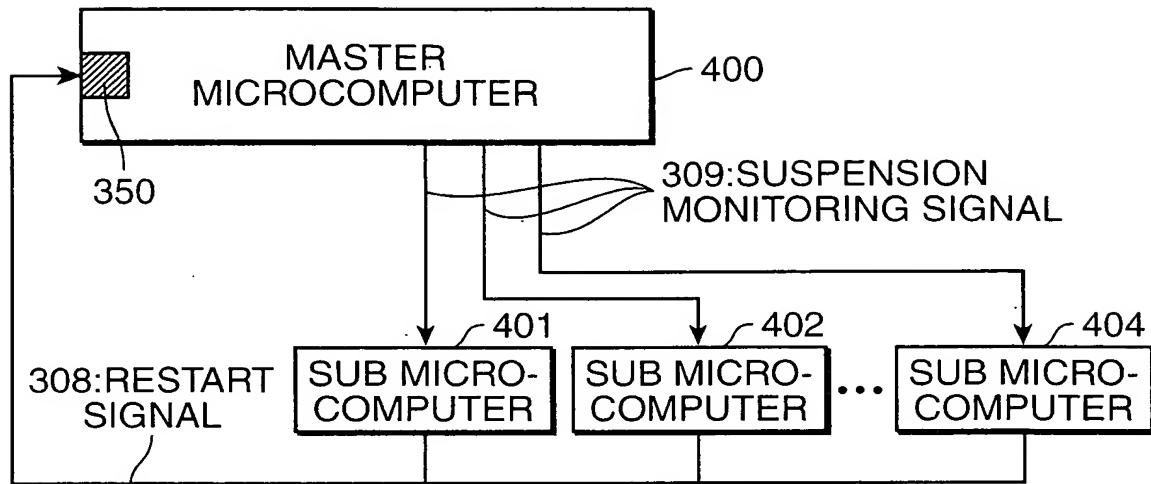


FIG.33

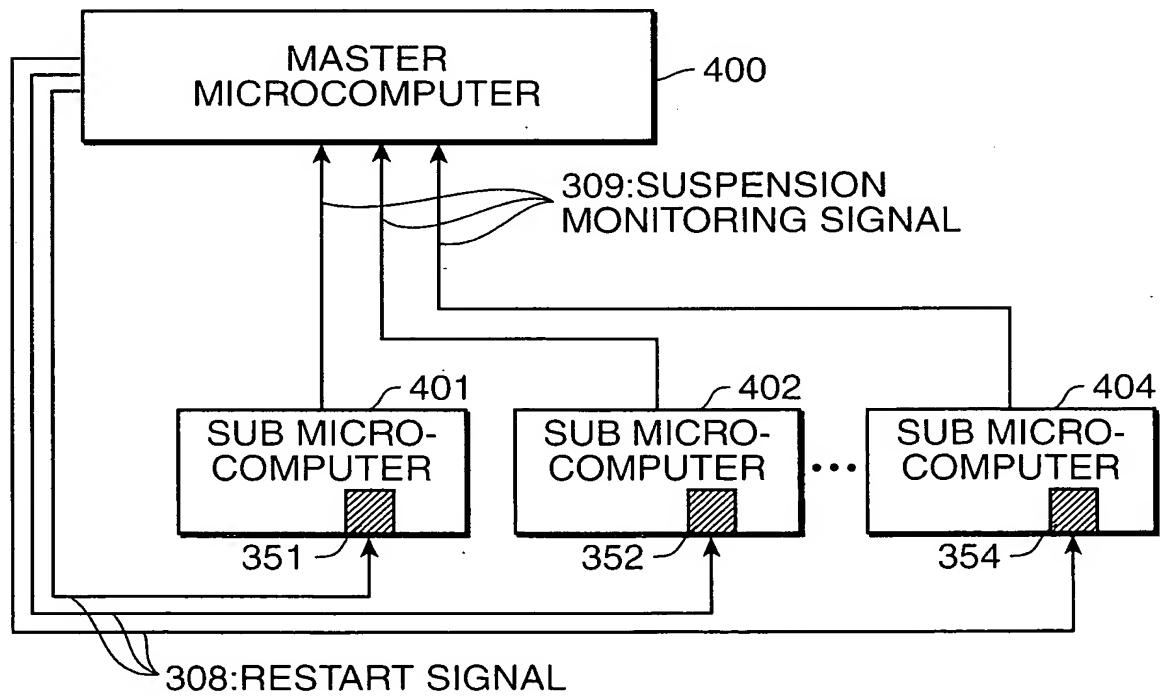


FIG.34

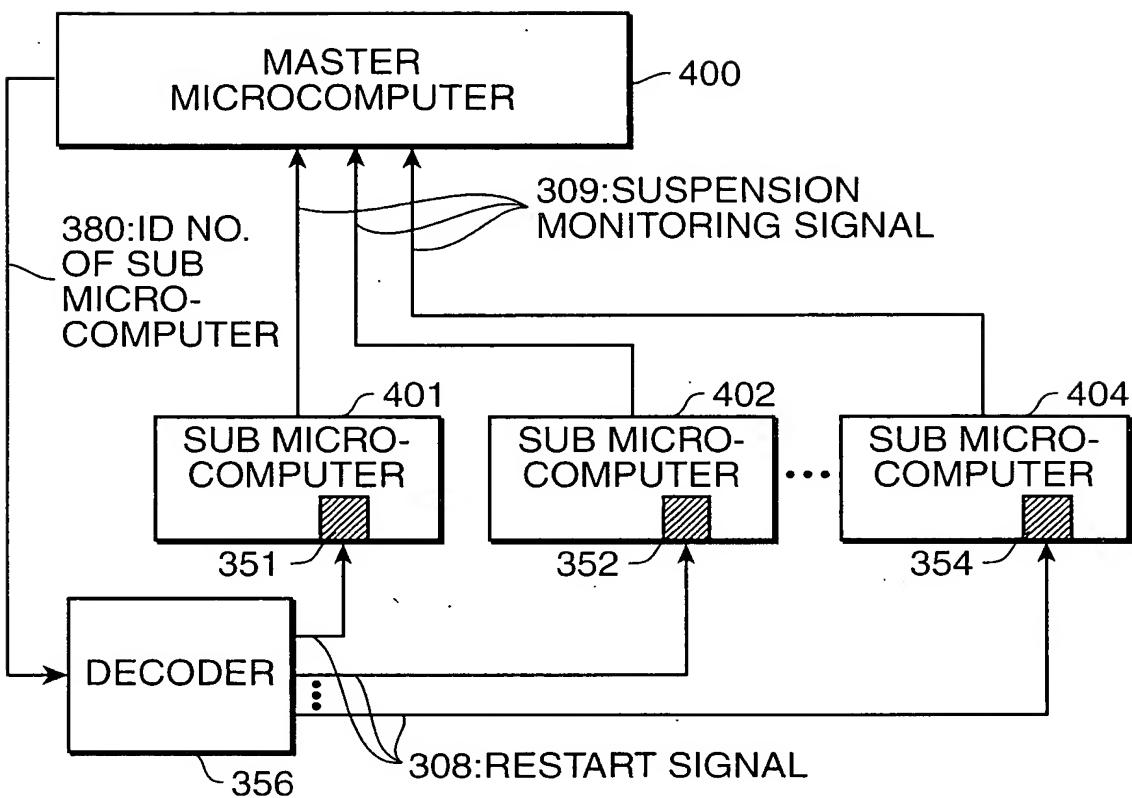


FIG.35

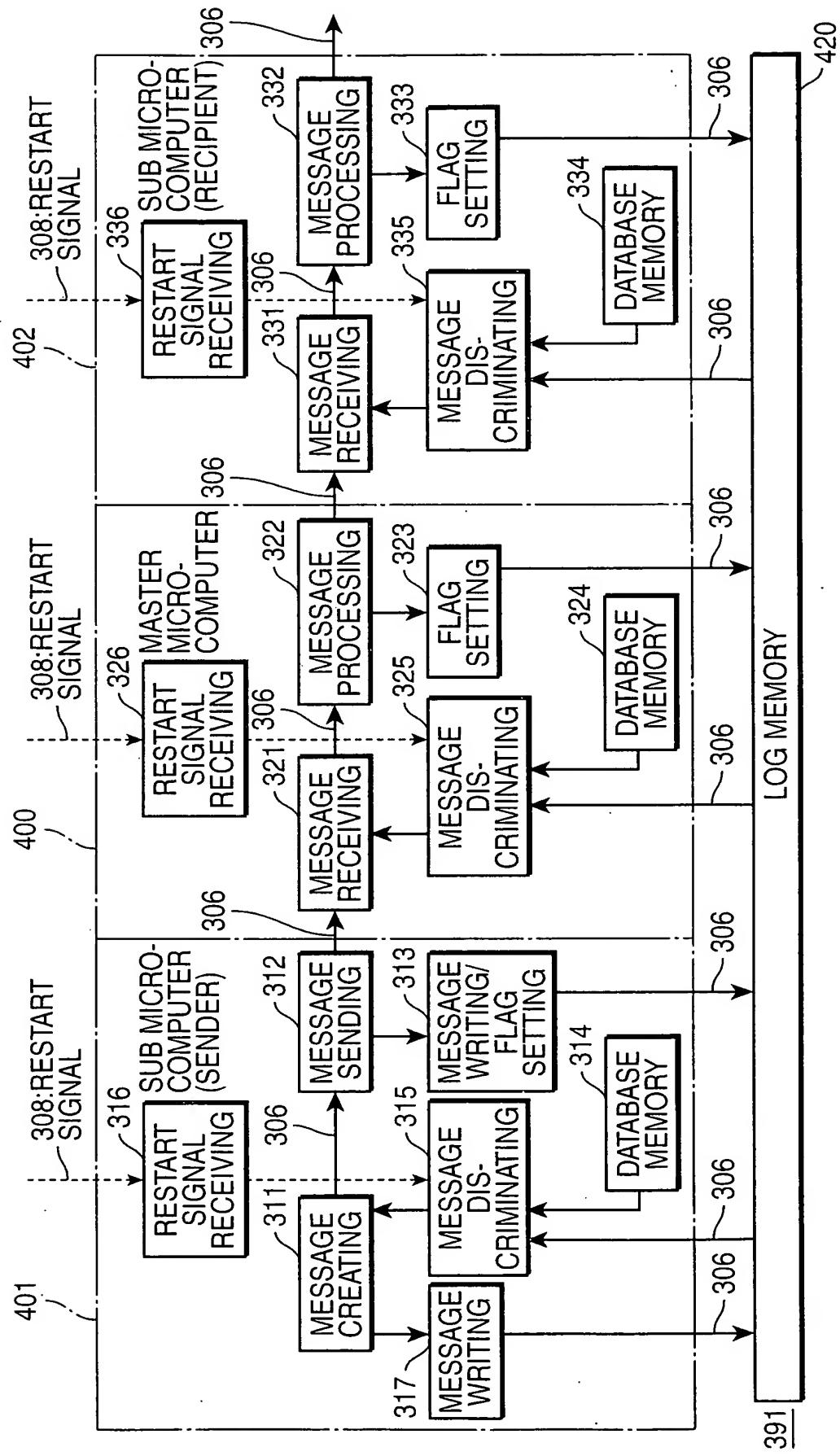


FIG.36

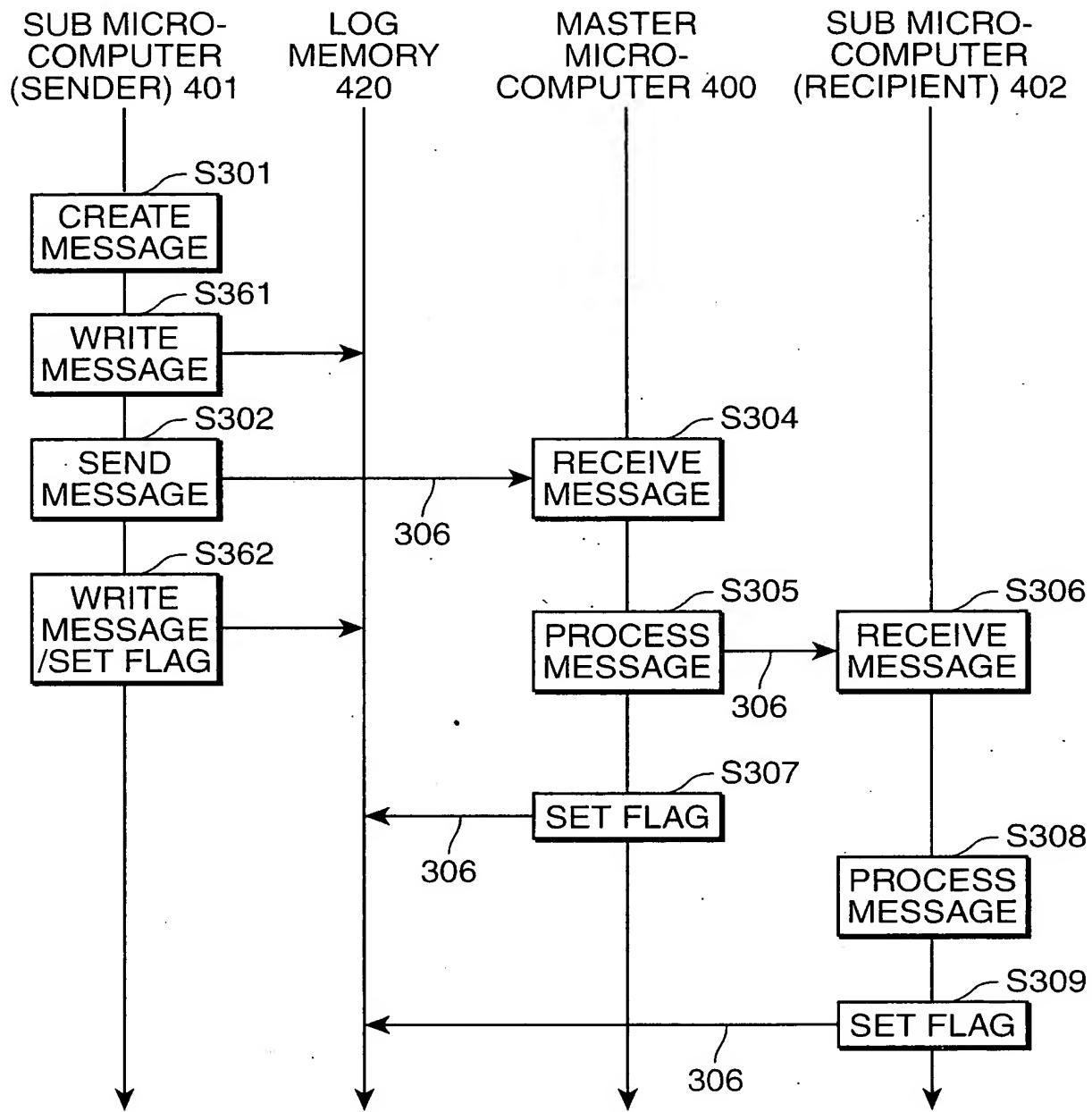


FIG.37

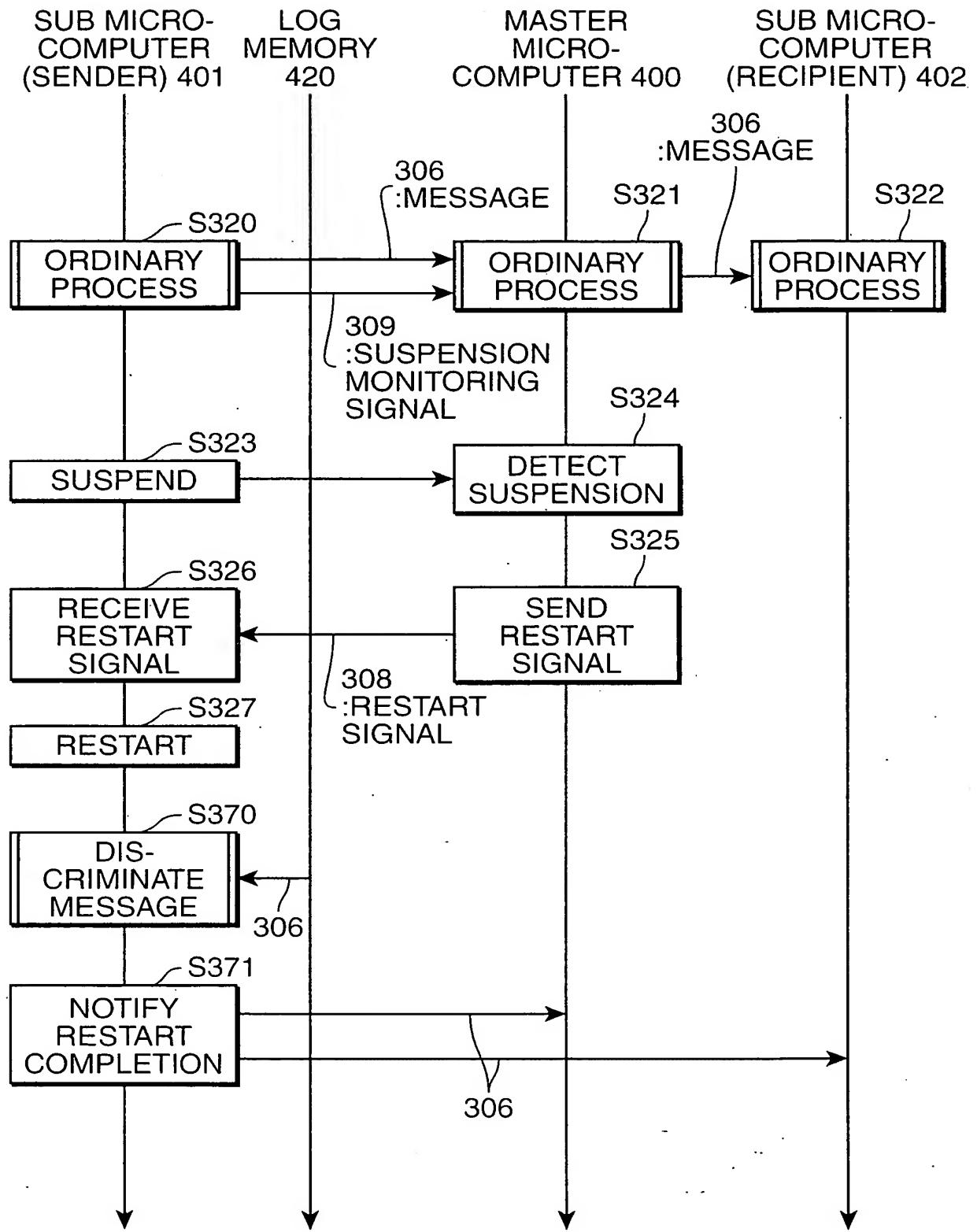


FIG.38

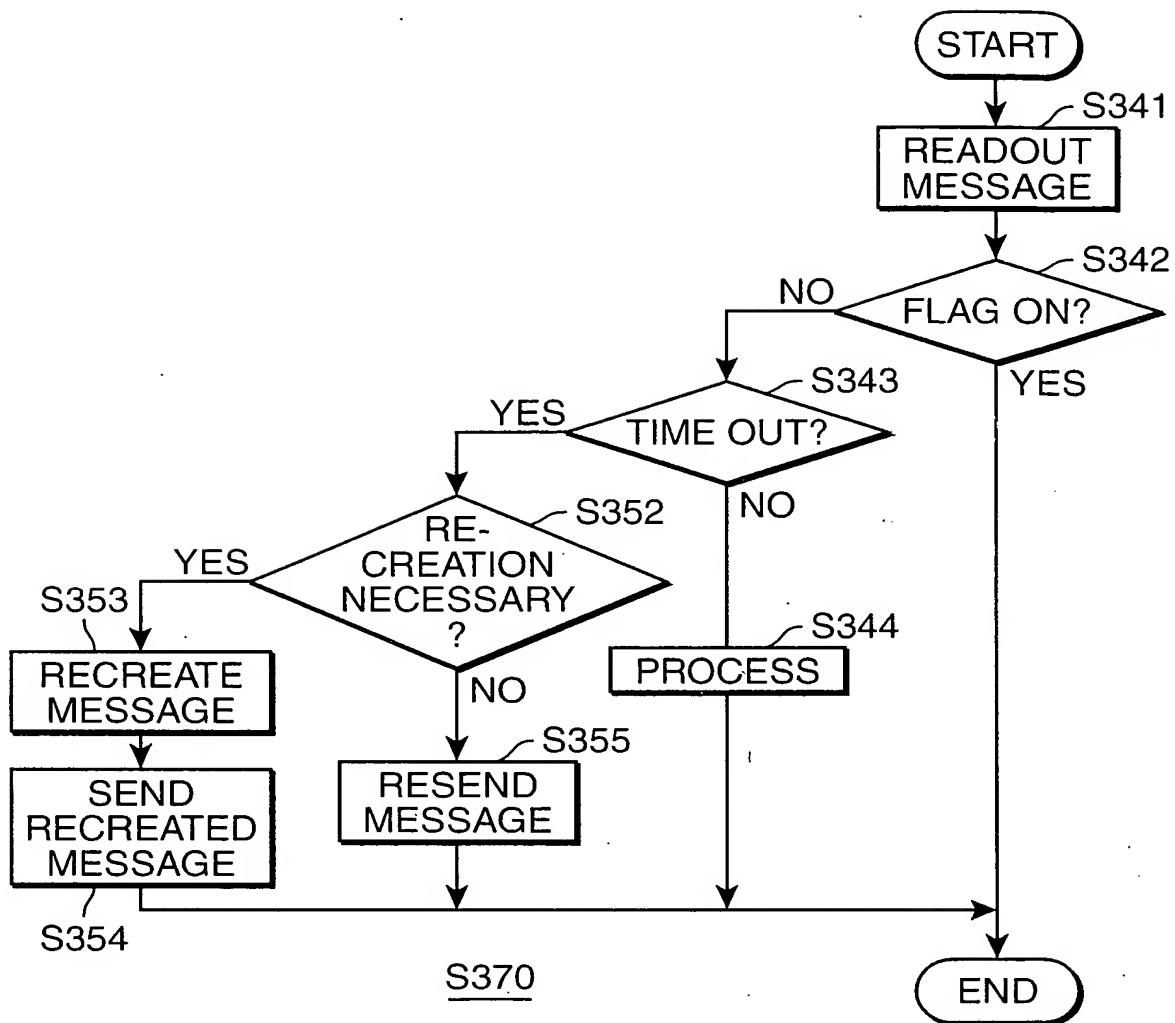


FIG. 39

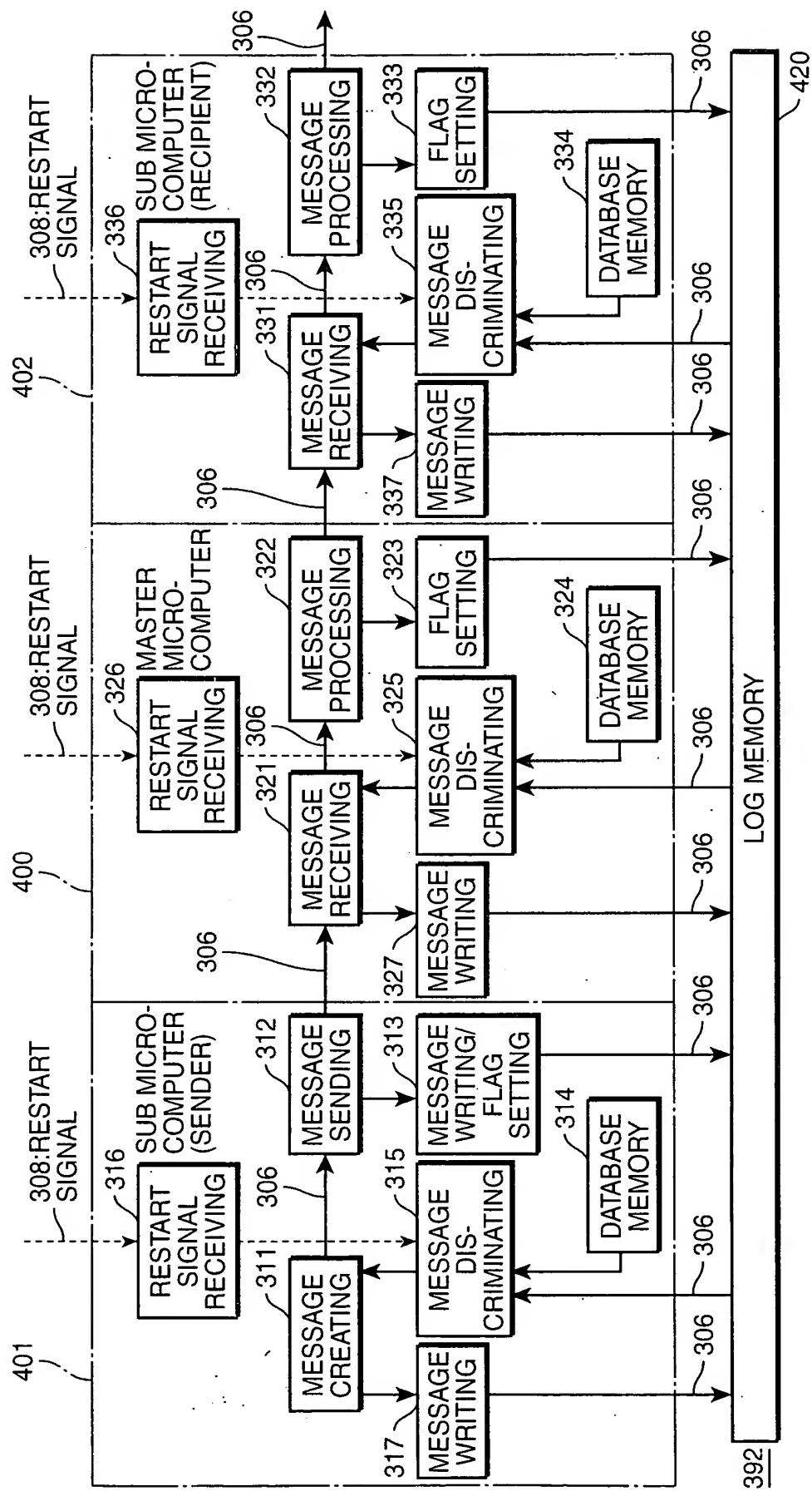


FIG.40

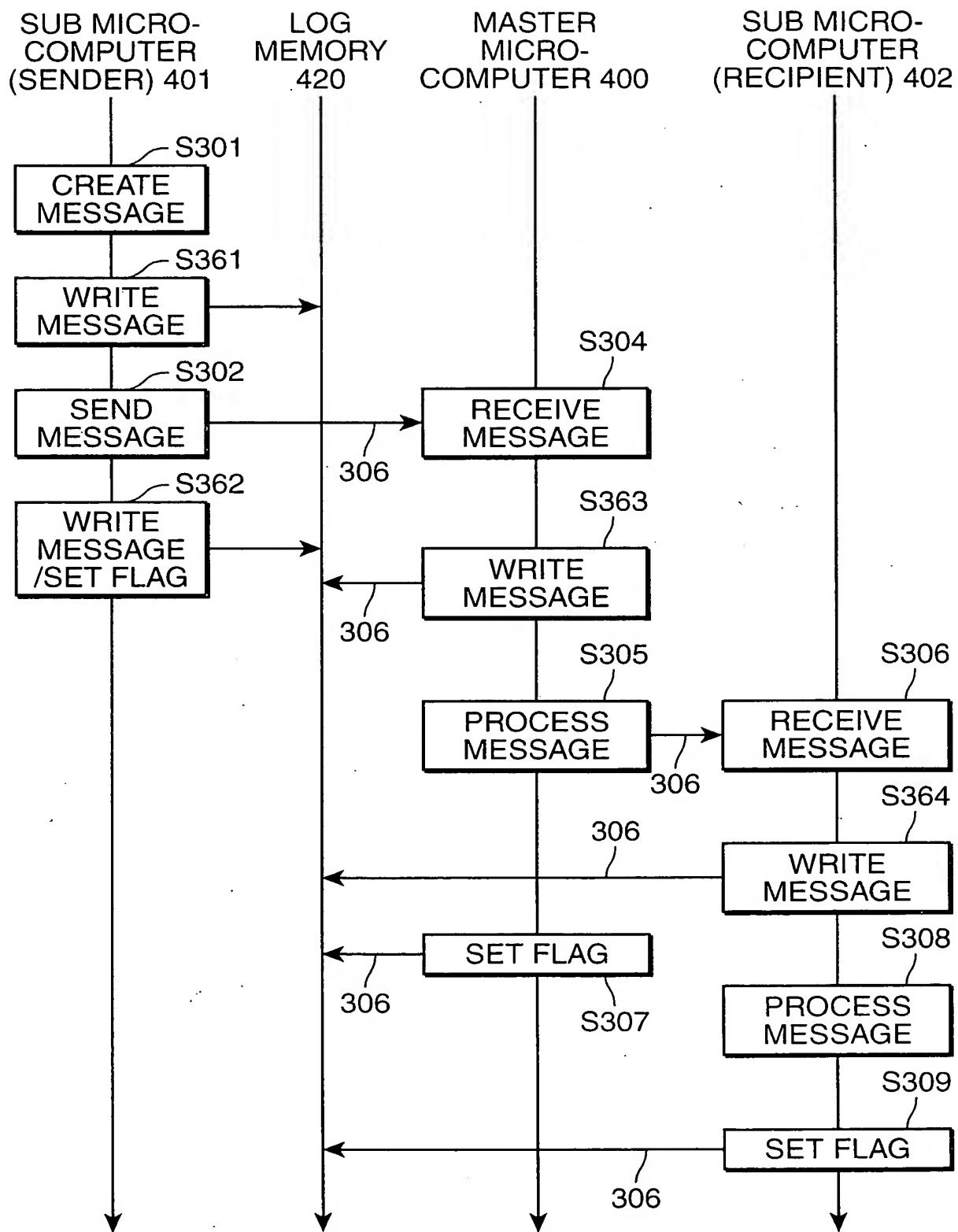


FIG.41

NOTIFICATION CONTENTS	SET CONDITION NOTIFICATION FLAG
NOTIFICATION OF SET CONDITION a	1
NOTIFICATION OF SET CONDITION b	0
NOTIFICATION OF SET CONDITION c	1

FIG.42

NOTIFICATION CONTENTS	STATUS NOTIFICATION FLAG
NOTIFICATION OF STATUS A	1
NOTIFICATION OF STATUS B	1
NOTIFICATION OF STATUS C	0

FIG.43

HEADER	MESSAGE CONTENTS	DATA
--------	------------------	------